

7-11-64 *Converted to Water Inspection Well*

S

NID File

S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed *5-16-59*

OW *✓* WW TA

GW OS PA

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log *4-29-59*

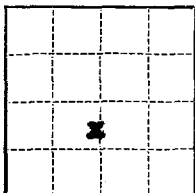
Electric Logs (No. ) *3*

E I E-I *✓* GR GR-N *✓* Micro *✓*

Lat Mi-L Sonic Others

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal  
Lease No. 14-20-603-5046

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/> SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah March 23, 19 59

Well No. 23-9 is located 1980 ft. from NE 1/4 line and 1980 ft. from W line of sec. 9

NE 1/4 SW 1/4 9 T41S R24E SLBM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly bushing ~~drill hole~~ above sea level is 4615 ft. Est.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill a new well for oil to be completed in the Desert Creek zone at a total depth of 5695' ±.  
13 3/8", 47½, J-55 casing to be cemented near 170' with sufficient cement to fill to surface.  
8 5/8", 28½, H-40 casing to be cemented near 1500' with sufficient cement to fill to surface.  
5 1/2" 15.5#, J-55 casing to be cemented with 400 sacks through productive zone.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

By C. V. Gayberton 3/23/59

Title District Superintendent

USGS-4; OAGCC-1;  
CWO-2; File-1

WELL LOCATION  
 1980 FEET FROM THE SOUTH LINE  
 1980 FEET FROM THE WEST LINE  
 GRADED GROUND ELEV. 4604.5

N

N 0° 03' W

8

9

1980'

1980'

90° 03'

663.14'

1/4

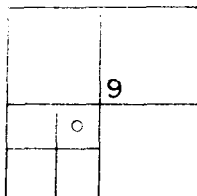
SEC. COR.

EAST

17

16

CORNERS ESTABLISHED BY S. J. E. CO., JAN. 1959  
 (STAMPED 1 1/4" IRON PIPE)



STANDARD OIL CO.  
 OF  
 CALIFORNIA

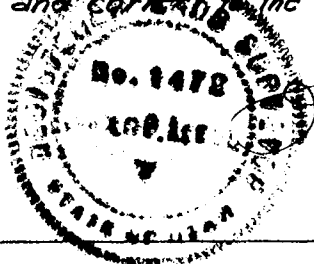
WELL LOCATION NE 1/4 SW 1/4  
 SECTION 9 T4S R24E SLBM  
 SAN JUAN COUNTY UTAH

JAN. 23, 1959 SCALE 1" = 500'

DRAWN BY W.C.

SAN JUAN ENGINEERING CO.  
 FARMINGTON, N.M.

*This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.*



*James P. Leese*  
 James P. Leese,  
 Reg. Land Surveyor,  
 Reg. No. 1472, UTAH.

March 23, 1959

Standard Oil Company of California,  
Western Operations, Inc.  
P. O. Box 455  
Vernal, Utah

Attention: C. V. Chatterton,  
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 23-9, which is to be located 1980 feet from the south line and 1980 feet from the west line of Section 9, Township 41 South, Range 24 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

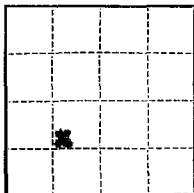
CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

cc: Phil McGrath, Dist. Eng.  
U. S. Geological Survey  
Farmington, New Mexico

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-5046

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of Running Casing</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah April 9, 1959

Well No. 23-9 is located 1980 ft. from XXXX line and 1980 ft. from XXXX line of sec. 9

NE 1/4 SW 1/4 0 41S 24E 35M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly bushing standoff above sea level is 4615 ft. Est.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cemented 13 1/8", 40#, H-40 casing @ 188' with 230 sack neat cement.

Used one top rubber plug.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

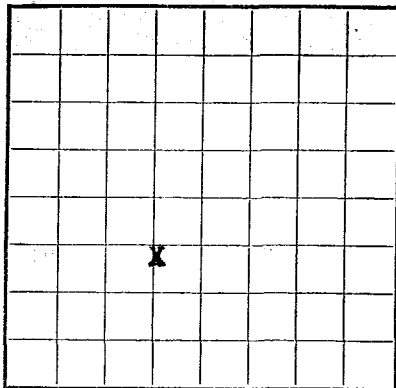
Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455  
Vernal, Utah

By C. V. Clatterton 4/10/59

Title District Superintendent

W  
U989-4, OMCC-1,  
CW-1, File-1

U. S. LAND OFFICE Farmington  
SERIAL NUMBER 14-20-603-5046  
LEASE OR PERMIT TO PROSPECT .....

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Standard Oil Co. of California,  
Company Western Operations, Inc. Address P. O. Box 455, Vernal  
Lessor or Tract Navajo Tribal Field Rutherford State Utah  
Well No. 23-9 Sec. 9 T. 41S R. 24E Meridian SLPM County San Juan  
Location 1980 ft. N. of S Line and 1980 ft. E. of W Line of Sec. 9 Elevation 4615 K.B.  
(Derrick floor relative to sea level)  
The information given herewith is a complete and correct record of the well and all work done thereon  
so far as can be determined from all available records.  
Signed C. V. O'Connell  
Date May 23, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling April 27, 1959 Finished drilling April 27, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>5462</u> to <u>5467</u>	No. 4, from <u>5496</u> to <u>5498</u>
No. 2, from <u>5475</u> to <u>5478</u>	No. 5, from <u>5504</u> to <u>5508</u>
No. 3, from <u>5490</u> to <u>5492</u>	No. 6, from <u>5538</u> to <u>5545</u>
	<u>5546</u> to <u>5576</u>

## IMPORTANT WATER SANDS

No. 1, from _____ to _____	No. 3, from _____ to _____
No. 2, from _____ to _____	No. 4, from _____ to _____

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/8"	188		E-40	192.72			5509	5506	
8 5/8"	202		E-40	1505	Jaker		5501	5497	
							5494	5490	
							5479	5475	
							5468	5460	
							5558	5543	

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	188'	230 Neat			
8 5/8"	1496'	800 cu. ft. Posmix			
		200 cmt.			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

#### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from **Surface** **total depth** \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

#### DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_%  
 emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

#### EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

#### FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	188'	188'	Sand and boulders
188	3177	2898'	Sand and shale
3177	4114	934'	Shale
4114	5300	1186'	Shale & limestone
5300	5695	395	Limestone with some shale

USGS-3; O&GCC-1;  
 CWG-1; File-1

(OVER)

16-43094-4

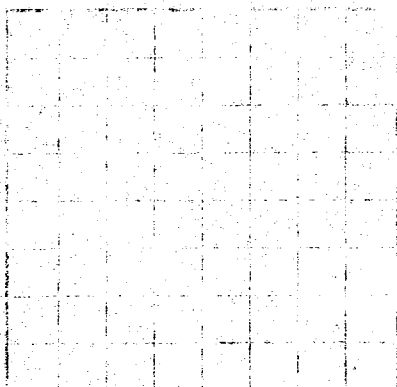
# HISTORY OF OIL OR GAS WELL

16-48004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded well in 4:30 a.m. 4/2/59. Ran 192.92' of 13 3/8", 48#, H-40 csg; set at 188' w/230 sackneat cement. Ran 1505' of 8 5/8", 28#, H-40 csg; set at 1496' with 800 cu. ft. Pozmix, 2% calcium chloride followed by 200 sax cnt. Dried ahead to T.D. 5695'. Ran Schlumberger logs, recorded as follows: Induction-ES 5688-1498', Micro-Caliper 5693-4000'; Gamma Ray-Neutron 5692-4000'. Markers: Hermosa - 4490' Top of Desert Creek 5494' (-898' subsea); Chinney Rock 5482'. Cased 5 1/2" csg at 5686' with 400 sax common cnt. Casing detail: 174 jts. 5689', 5 1/2", 15.5#, J-55, 8rd ST&C, New CP&I smls, includes Baker guide shoe & flexiflo collar on first joint; top landed above KB 3', depth of shoe 5686'. Ran McCullough Gamma Ray Correlation log. Perf'd with 4 super csg jets/ft: 5460-5468', 5475-5479', 5490-5494', 5497-5501', 5506-5509' & 5543-5558'. Set Baker retrievable bridge plug at 5525' and equalized 200 gal breakdown acid above plug. Pulled to 5273', set full bore retainer and displaced breakdown acid to formation with pressure increasing 3200-3800 psi. Pressure bled immediately to zero when pumping stopped. Scrubbed out breakdown acid until clean oil showed. With bridge plug and retainer set as above Dowell acidized perf'd intervals from 5460-5509' with 2000 gal retarded acid at 2.7 bbls/min at 3800 psi. Pressure bled to zero in 40 min and went on vacuum. Pulled bridge plug and retainer. Landed 2 1/2" tubing at 5600'. Hooked up Xmas tree and equalized 150 gal breakdown acid on bottom. Tbg detail: bottom 30.9' 2 1/2" UE gas anchor; next 2.5' Baker Mechanical compensating anchor; next 1.1' 2 1/4" #45 PSM, top 5553.6' 175 jts 2 1/2" UE 6.5#, J-55 tbg; 12.0' KB-tbg head; landed 5600'. Rig released 11:59 p.m. 4/27/59.

FOOTAGE WITH CORRECTION



TOP OF OIL OR GAS SHOW

GEOLOGICAL STRATA

DEVELOPMENT OF THE INTERIOR

GRADED SURFACE

DEPTH OF SURFACE TO BOTTOM OF WELL

DEPTH OF SURFACE TO TOP OF WELL

DEPTH OF SURFACE TO TOP OF CASE

DEPTH OF SURFACE TO TOP OF CASE



May 29, 1959

Standard Oil Company of California  
P. O. Box 455  
Vernal, Utah

Attention: C. V. Chatterton, District Superintendent

Gentlemen:

Re: Well No. 23-9, NE¼ SW¼  
Section 9, Township 41 South,  
Range 24 East, San Juan County,  
Utah

We have your driller's log in connection with the above named well. In checking it, however, we find that you have not completed it insofar as production data is concerned.

We would appreciate your furnishing this information to us at your earliest convenience. Thank you.

Yours very truly,  
OIL & GAS CONSERVATION COMMISSION

C. PETERSON  
Statistician

ep



**STANDARD OIL COMPANY OF CALIFORNIA**  
**WESTERN OPERATIONS, INC.**

P. O. BOX 455

• VERNAL • UTAH

PRODUCING DEPARTMENT  
C. V. CHATTERTON  
DISTRICT SUPERINTENDENT

June 9, 1959

Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

Refer your letter of May 29, 1959.

Production information requested on Well Navajo 4 #23-9, NE 1/4 SW 1/4, Sec. 9, T41S, R24E, San Juan County, Utah is as follows:

Well No. 23-9 was placed on production May 16, 1959. Production first 24 hours was 312 barrels of fluid of which 99.3% was oil; .7% water. Gravity 39.8°. Static Dat. Press 1456 psi.

Well Navajo 3 #12-9, San Juan County, Utah was placed on production April 29, 1959. Production first 24 hours - 205 barrels of fluid of which 99.8% was oil; .2% water. Gravity 42.3°. Static Dat. Press 1022 psi.

Yours truly,

  
C. V. CHATTERTON

June 17, 1959

Standard Oil Company of California  
P. O. Box 455  
Vernal, Utah

Attention: C. V. Chatterton, District Superintendent

Gentlemen:

Re: Well No. 23-9, NE¼ NW¼  
Section 9, Township 41 South,  
Range 24 East, San Juan County,  
Utah

Please refer to our letter of May 29, 1959, requesting your driller's log for the above mentioned well.

Information as to the date the well was completed for production, initial production and gravity of the oil was not included on the driller's log filed by you on May 25, 1959.

It would be greatly appreciated if you would furnish us with this information.

Yours very truly,  
OIL & GAS CONSERVATION COMMISSION

OLEON B. FREIGHT  
Executive Secretary

CBF:ep



**STANDARD OIL COMPANY OF CALIFORNIA**  
**WESTERN OPERATIONS, INC.**

P. O. BOX 455

• VERNAL • UTAH

PRODUCING DEPARTMENT  
C. V. CHATTERTON  
DISTRICT SUPERINTENDENT

June 18, 1959

The State of Utah  
Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

Re: Well No. 23-9, NE 1/4 SW 1/r  
Section 9, Township 41 South  
Range 24 East, San Juan  
County, Utah

Gentlemen:

Please refer to your letter of June 17, 1959, above subject.

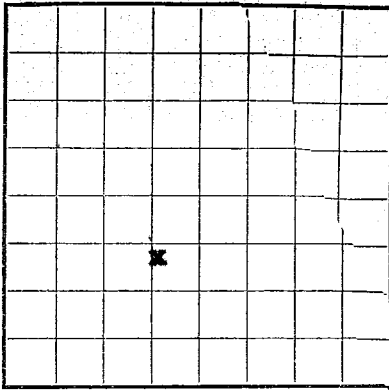
The information requested was mailed June 15, and should be in your office. If you have not received this information please advise and we will furnish you another copy.

Yours truly,

C. V. CHATTERTON

U. S. LAND OFFICE Farmington, N.M.SERIAL NUMBER 14-20-603-5046

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Standard Oil Co. of Calif. Address P. O. Box 455, Vernal, Utah  
 Lessor or Tract Navajo Tribal Field Rutherford State Utah  
 Well No. 23-9 Sec. 9 T. 41S R. 2E Meridian SLM County San Juan  
 Location 1980 ft. N. of 8 Line and 1980 ft. E. of 4 Line of Sec. 9 Elevation 4615 K.B.  
 (Derriek floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
 so far as can be determined from all available records.

Signed C. V. CHATTERTON

Date June 24, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling April 2, 1959 Finished drilling April 27, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5462 to 5467 No. 4, from 5496 to 5498  
 No. 2, from 5475 to 5478 No. 5, from 5504 to 5508  
 No. 3, from 5490 to 5492 No. 6, from 5538 to 5543

IMPORTANT WATER SANDS 5546 to 5576

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/8"	48#		H-40	192.72			5509	5508	
8 5/8"	28#		H-40	1505	Baker		5501	5497	
5 1/2"	15.3#		J-55				5494	5490	
							5479	5475	
							5468	5460	
							5558	5543	

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	188	230 Best			
8 5/8"	1496	800 cu. ft. Formix			
5 1/2"	5686	200 amt			
		400			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ **surface** feet to \_\_\_\_\_ **total depth** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was 312 barrels of fluid of which 99.3 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 2

If gas well, cu. ft. per 24 hours ..... 70

Gallons gasoline per 1,000 cu. ft. of gas ..... 39.8

Rock pressure, lbs. per sq. in. -----

EMPLOYEES <sup>Dist. Press</sup> 1456

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

# FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	188	188'	Sand and boulders
188	3177	2898'	Sand and shale
3177	4114	934'	Shale
4114	5300	1186'	Shale & limestone
5300	5695	395'	Limestone with some shale

COVER

16-794-4

USGS-3; O&GCC-1;  
CWG-1; File-1

[illegible]

# HISTORY OF OIL OR GAS WELL

10-42004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded well in 4:30 a.m. 4/2/59. Ran 192.72' of 13 3/8", 48#, H-40 csg; set at 188' w/230 sacks neat cement. Ran 1505' of 8 5/8", 28#, H-40 csg; set at 1496' with 800 cu. ft. Pozmix, 2% calcium chloride followed by 200 sax cnt. Drl'd ahead to T.D. 5695'. Ran Schlumberger logs, recorded as follows: Induction-ES 5688-1498', Micro-Caliper 5693-4000'; Gamma Ray-Newton 5692-4000'. Markers: Harmona - 4490', Top of Desert Creek 5454' (-838' subsea); Chimney Rock 5482'. Cased 5 1/2" csg at 5686' with 400 sax common cnt. Casing detail: 17 1/2' jts. 5689', 5 1/2", 15.5#, J-55, 8 rd STAC, Nev O&I smls, includes Baker guide shoe & flexible collar on first joint; top lands above KB 3', depth of shoe 5686'. Ran McCullough Gamma Ray Correlation log. Perf'd with super csg jets/ft: 5460-5468', 5475-5479', 5490-5494', 5497-5501', 5506-5509' & 5543-5558'. Set Baker retrievable bridge plug at 5525' and equalized 200 gal breakdown acid above plug. Pulled to 5273', set full bore retriever and displaced breakdown acid to formation with pressure increasing 3800-3900 psi. Pressure bled immediately to zero when pumping stopped. Scrubbed out breakdown acid until clean oil showed. With bridge plug and retriever set as above down acidified perf'd intervals from 5460-5509' with 2000 gal retarded acid at 2.7 bbls/min at 3800 psi. Pressure bled to zero in 40 min and vent on vacuum. Pulled bridge plug and retriever. Landed 2 1/2" tubing at 5600'. Hooked up Xmas tree and equalized 150 gal breakdown acid on bottom. Log detail: bottom 30.9' 2 1/2" US gas anchor; next 2.5' Baker mechanical compensating anchor; next 1.1' 2 1/4" 44# PSM, top 5553.6' 175 jts 2 1/2" US 6.5# J-55; log 12.0' KB-the head; landed 5600'. Rig released 11:55 p.m. 4/21/59.


FOO OR OF ON CYS MEET

GEORGE W. BOWMAN

DEVELOPMENTAL ENGINEERING

DAVIS, SINGLE

UNITED STATES GOVERNMENT

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WASH. D.C. 20500

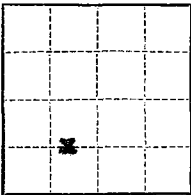
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-5046



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<del>Subsequent Report of Running Casing</del> X	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah December 30, 1959

Well No. 23-9 is located 1980 ft. from XXII line and 1980 ft. from XX line of sec. 9

9 (1/4 Sec. and Sec. No.) 41N (Twp.) 24E (Range) 11W (Meridian)

Rutherford (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~corner~~ Kelly bushing above sea level is 4615 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cemented 5 1/2", 15.57, J-55 casing @ 5685' w/400 S&W common cement.

Used one top rubber plug.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

By C. V. CARTER 12/31/59

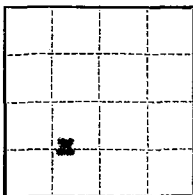
Title District Superintendent

USGS-3; O&GCC-1; J&T-2; File-1



(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-5046

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of Running Casing</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah December 30, 1959

Well No. 23-9 is located 1980 ft. from X line and 1980 ft. from X line of sec. 9

NE 1/4 9 41S 24E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Dipping above sea level is 4619 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cemented 8 5/8", 28#, 11-40 casing @ 1495' w/800 cu. ft. Pozmix followed  
by 200 sack cement.  
Used one top rubber plug.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455  
Vernal, Utah

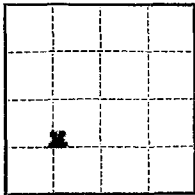
By C. V. [Signature] 12/31/59

Title District Superintendent

USGS-3; OAGCC-1; JST-2; File-1

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-80-603-5046

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah December 30, 1959

Well No. 23-9 is located 1980 ft. from 128 S line and 1980 ft. from 128 W line of sec. 9

NE 1/4 9 41S 24E 128W  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the  Kelly Turbine  above sea level is 4615 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Perforated 5 1/2", 15.5#, J-55 casing with four super casing jets/ft: 5460-5468; 5475-5479; 5490-5494; 5497-5501; 5506-5509; and 5543-5558'. Set Baker retrievable BP at 5525' and equalized 800 gal breakdown acid above plug. Pulled to 5273', set full bore retainer and displaced breakdown acid to formation with pressure increasing 3800-3800 psi. Pressure bled immediately to zero when pumping stopped. Jammed clean with BP and retainer set as above, acidized perforated intervals from 5460-5509' with 8000 gal retarded acid at 3800 psi. Pressure bled to zero in 40 minutes. Pulled BP and retainer.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

By C. V. CHRISTENSEN 12/31/59

Title District Superintendent

USGS-3; OAGCO-1; JET-2; File-1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE STATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-5046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

9-23

10. FIELD AND POOL, OR WILDCAT

Rutherford Field

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 9-41S-24

12. COUNTY OR PARISH

San Juan Co.

13. STATE

Utah

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

1980' N of S Line, 1980' E of W Line, Sec. 9

41S-24E, San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4615 KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

Squeeze Desert Creek zone Perfs 5543-58  
and convert to Water Injection well

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Kill well, pull rods and tubing. Run Baker "BC" Cast Iron cement retainer on 2" tubing work string and set at 5526' (Mid point of 34' separating perforations at 5506-09' and 5543-58'). Check for communication - if B.K., mix 50 sacks cement and squeeze perforations at 5543-58' with maximum holding pressure of 1500#. Circulate out. Pull tubing and rerun tubing with Marlex Liner and Baker Tension Packer, set approximately 5410' and convert to Water Injection.

If communication exists, run retrievable packer, set at 5440' and squeeze all perforations with 50 sacks. Reverse out, drill out to 5515' and re-perforate Desert Creek 5460-08', 5475-79', 5490-94', 5497-5501' and 5506-09'. Run Retrievable packer, set at 5440' and acidize perforations with 2000 gallons regular acid. Circulate out until clean. Pull work tubing string, rerun tubing with Marlex Liner and Baker Tension packer, set at approximately 5410' and convert to Water Injection.

Present Production. Test 2-14-64: 24 hrs PM. 67 BO, 51 MCF Gas, 338 BW.

APPROVED BY UTAH OIL AND GAS  
CONSERVATION COMMISSION

DATE: 3/9/64 by Paul W. Burchell

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE C. M. Boles, Area Mgr.

DATE 3-6-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

June 24, 1964

Phillips Petroleum Company  
P. O. Drawer 1150  
Cortez, Colorado

Attention: Mr. C. M. Boles, Area Superintendent

Re: Well No. Ratherford 9-23  
Sec. 9, T. 41 S., R. 24 E.,  
San Juan County, Utah

Well No. Ratherford 10-23  
Sec. 10, T. 41 S., R. 24 E.,  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report to Convert to Water Injection Well on the above mentioned wells are due and have not been filed with this Commission. We are enclosing forms for your convenience.

Thank you for your cooperation with respect to this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER  
RECORDS CLERK

KGW:bc

Enclosures - Forms



PHILLIPS PETROLEUM COMPANY  
P. O. Drawer 1150  
Cortez, Colorado

June 25, 1964

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah 84111

Attention: Kathy G. Warner, Records Clerk

Gentlemen:

Please refer to your letters of June 23rd and 24th in which you ask us to submit Subsequent Report to Convert to Water Injection on each of our Ratherford Unit Wells Nos. 19-21, 20-43, 9-23, and 10-23.

This is to advise that these wells have not as yet been completed, and are now in the process of workover. They should be completed as Water Injection wells within the next thirty days, and at that time we will file the Subsequent Reports on them and submit the necessary copies to your office.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

C. M. Boles  
Area Superintendent

bh



PHILLIPS PETROLEUM COMPANY  
P. O. Drawer 1150  
Cortez, Colorado

July 13, 1964

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the Ratherford Unit in San Juan County, Utah, were converted to water injection wells.

<u>Old Well No.</u>	<u>New Well No.</u>	<u>Date Converted</u>	<u>Injection Rate</u>	<u>Injection Pressure</u>
10-23 ✓	10W23	7-9-64	2025	Vacuum
<u>9-23</u> ✓	9W23	7-11-64	592	2400#

Very truly yours,

PHILLIPS PETROLEUM COMPANY

C. M. Boles  
Area Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-5046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

9W23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLE. AND  
SURVEY OR AREA

Sec. 9-T41S R24E

12. COUNTY OR PARISH, STATE

San Juan Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER

Water Injection

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)  
At surface

1980' N of S Line, 1980' E of R Line, Sec. 9  
41S-24E, San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4615 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(See Below)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Subsequent Report of: Squeeze Desert Creek zone perfs  
/ 5543-58 & convert to Water Injection

6-20-64 through 7-13-64:

Set C.I. Cement Retainer at 5526', retrievable packer at 5438'. Squeezed all perforations. Drilled cement 5438' to 5513'. Pressured casing to 1000#, held O.K. Perforated 5460-63', 5475-79', 5490-94', 5497-5501', 5506-09'. Acidized all perforations with 2000 gallons regular 15% acid. Ran 2" tubing with Driscopipe liner and Model A packer, hooked well up for Water Injection, started injecting water 7-11-64. Changed well classification from producing oil well to Water Injection Well, and changed well number from 9-23 to 9W23 effective 7-11-64.

Previous Production from Greater Aneth Field - Paradox formation, Desert Creek Zone:  
128 BOPD, 52 MCFOPD, 400 BWPD.

Present Injection Rate: Greater Aneth, Paradox formation, Desert Creek Zone:

Injected 592 BW in 24 hours at 2400#.

18. I hereby certify that the foregoing is true and correct

SIGNED

*C. M. Boles*

TITLE

Area Supt.

DATE

9-16-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

11-20-603-5046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

9W23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

9-41S-24E S18M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☒ OTHER ☐ Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' FSL and 1980' FWL, Sec. 9 NE SW

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4615 RKB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

Perf. Zone II perfs &amp; acidize,

resume inj. into Zone I &amp; II

☒

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

Drill cement retainer at 5526', drill cement and clean out to approximately 5625',  
perforate Desert Creek Zone II 5546-63' EL Measurements, set treating packer at  
5530' and acidize Zone II with 2500 gallons 15% acid, set injection packer at  
5425', connect for injection with Desert Creek Zone I perforations 5460-68',  
5475-79', 5490-94', 5497-5501', and 5506-09' and Zone II perforations 5546-63'  
EL Measurements open to injection.

Present Injection Rate: Averaged 68 BWPD at 2525# during June, 1969.

**NOTE:** This proposed work is in accordance with Plan of Development of Rather-  
ford Unit as approved by USGS letter of May 29, 1969.

18. I hereby certify that the foregoing is true and correct

SIGNED

G. M. Boles

TITLE

District Superintendent

DATE

7-14-69

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Orig. & 2 cc: USGS, Farmington, N.M.  
2 cc: Utah O&GCC, Salt Lake City  
1 cc: Denver  
1 cc: File

\*See Instructions on Reverse Side



October 23, 1969

Phillips Petroleum Company  
P. O. Drawer 1150  
Cortez, Colorado 81321

Re: Well No. Batherford Unit #9W23,  
Sec. 9, T. 41 S., R. 24 E.,  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Perforating and acidizing is due for the above mentioned well and has not been filed with this office.

It would be appreciated if you could complete the enclosed forms and forward them to this office at your earliest convenience.

Thank you for your cooperation with respect to this request.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE  
SECRETARY

SD:ah

Enclosures



OIL & GAS CONSERVATION BOARD

DELBERT M. DRAPER, JR.  
CHAIRMAN

CHARLES R. HENDERSON  
~~GUY N. CARSON~~  
ROBERT R. NORMAN  
WALLACE D. YARDLEY  
Wesley R. Dickerson

CLEON B. FEIGHT  
DIRECTOR  
PAUL W. BURCHELL  
CHIEF PETROLEUM ENGINEER

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84116  
328-5771

October 23, 1969

Phillips Petroleum Company  
P. O. Drawer 1150  
Cortez, Colorado 81321

Re: Well No. Ratherford Unit #9W23,  
Sec. 9, T. 41 S., R. 24 E.,  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Perforating and acidizing is due for the above mentioned well and has not been filed with this office.

It would be appreciated if you could complete the enclosed forms and forward them to this office at your earliest convenience.

Thank you for your cooperation with respect to this request.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

*Scheree DeRose*  
SCHEREE DeROSE  
SECRETARY

SD:ah

To: Scheree DeRose

Enclosures

Due to vacations and sick time, we are running a little late on these subsequent reports - would appreciate it if you will bear with us for a little while - this one should be forthcoming in a couple of weeks.

Sincerely,

*C M Boles*  
C. M. Boles/hfs

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIP  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-5046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

9W23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

9-41S-24E S1B1M

12. COUNTY 13. STATE

San Juan

Utah

1. OIL ☐ GAS ☐ OTHER ☒ Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' FSL and 1980' FWL, Sec. 9 NE SW

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4615 RKB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Part. Zone II perfs & acidize, re-  
(Other) (Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On September 19, 1969 drilled cement retainer at 5513 to 5564', cleaned out cavings and cleaned up hole from 5564' to top of fish at 5621' (TD is PB 5650'). Perforated Desert Creek Zone II, 2 holes per foot 5546-63'. Set Lok-Set packer at 5533.21'. Acidized Zone II perforations 5546-63' with 2500 gallons 15% acid. Raised packer to 5418.36'. Resumed injection into Desert Creek Zone I perforations 5460-68, 5475-79, 5490-94, 5497-5501 and 5506-09' and Zone II perforations 5546-63' in Paradox Formation.

PREVIOUS INJECTION RATE: (Greater Aneth Field, Paradox Formation, Desert Creek Zone I):

Injected 65 BWPD at 2500#.

PRESENT INJECTION RATE: (Greater Aneth Field, Paradox Formation, Desert Creek Zone I &amp; II):

Injected 2846 BW in 24 hours at 50#.  
(Well choked)

18. I hereby certify that the foregoing is true and correct

SIGNED

C. M. Boles  
C. M. Boles

TITLE

District Superintendent

DATE

11-20-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Orig. & 2 cc: USGS, Farmington, NM  
2 cc: Utah O&GCC, SIC  
1 cc: Denver  
1 cc: Superior Oil, Cortez  
1 cc: File

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> <b>Water Injection Well</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-29-603-5046</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Nava jo</b>
3. ADDRESS OF OPERATOR <b>P O Box 2920 Casper, Wyoming 82601</b>		7. UNIT AGREEMENT NAME <b>SW-I-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1900' FSL and 1980' FWL Sec. 9 NE SW</b>		8. FARM OR LEASE NAME <b>Ratherford Unit</b>
14. PERMIT NO.		9. WELL NO. <b>9423</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4615 RKB</b>		10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth Field</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>9-41S-24E SLEM</b>
		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>Utah</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

~~SHOOT OR~~ ACIDIZE ☒

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Acidize with 3000 gals. 15% HCL**

**Present Injection: 661 BWPD at 1350# during January, 1971**

18. I hereby certify that the foregoing is true and correct

Original Signed By:

SIGNED

**J. P. DENNY**

TITLE

DATE

**Feb. 19, 1971**

(This space for Federal or State office use)

**Prod. Area Superintendent**

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> <b>Water Injection Well</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-5046</b>	
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>	
3. ADDRESS OF OPERATOR <b>P O Box 2920 Casper, Wyoming 82601</b>		7. UNIT AGREEMENT NAME <b>SW-1-4192</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1900' FSL and 1980' FWL Sec. 9 NE SW</b>		8. FARM OR LEASE NAME <b>Hat. arford Unit</b>	
14. PERMIT NO.		9. WELL NO. <b>9-23</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4615 RKB</b>		10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>9-418-24E 318M</b>	
		12. COUNTY OR PARISH <b>San Juan</b>	
		13. STATE <b>Utah</b>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
<del>SHOOTING OR ACIDIZING</del>	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Dowell acidized with 3000 gals. 15% regular acid March 3, 1971.

Injection Rate Before: 661 BWPD at 1350#  
Injection Rate After: 3571 BWPD at 125#

18. I hereby certify that the foregoing is true and correct

Original Signed By:

SIGNED **J. P. DENNY**

TITLE

DATE

**March 10, 1971**

(This space for Federal office use)

**Prod. Superintendent**

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well</b>	5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-5046</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Co.</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>Box 2920 Casper, Wyoming 82601</b>	7. UNIT AGREEMENT NAME <b>Sm-I-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1900' FSL &amp; 1980' FWL Sec. 9, NW, SW</b>	8. FARM OR LEASE NAME <b>Rutherford Unit</b>
14. PERMIT NO.	9. WELL NO. <b>9W23</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4615 RKB</b>	10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b>
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>9-41S-24E SLBM</b>
	12. COUNTY OR PARISH <b>San Juan</b>
	13. STATE <b>Utah</b>

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Dowell acidized Desert Creek Zone I & II perfs. 5460-5563 OA w/ 3000 gals. 15% HCL acid, Lok-Set Packer set at 5418' Jan. 30, 1973

Injection before 537 BWPD at 1800#

Injection after 3130 BWPD on vacuum

18. I hereby certify that the foregoing is true and correct

SIGNED F. C. MORGANTITLE Production SuperintendentDATE Feb. 20, 1973

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

Orig &amp; 2 cc - USGS - Farmington, N. M.

2 cc - Utah Oil &amp; Gas Salt Lake City, Utah

1 cc - Superior Oil Co. Cortez, \*Instructions on Reverse Side

1 cc - File.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1  
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF  
PHILLIPS PETROLEUM COMPANY

CAUSE NO. C-3(B)

ADDRESS P.O. BOX 2920  
CASPER, WYOMING ZIP 82602  
INDIVIDUAL PARTNERSHIP ☒ CORPORATION  
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE 9W23 WELL  
SEC. 9 TWP. 41S RANGE 24E  
SAN JUAN COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL ☒  
DISPOSAL WELL ☐  
LP GAS STORAGE ☐  
EXISTING WELL (RULE I-4) ☒

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Ratherford Unit</u>	Well No. <u>9W23</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>9W23</u> Sec. <u>9</u> Twp. <u>41S</u> Rge. <u>24E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5-83</u>	
Depth-Base Lowest Known <u>Wingate</u> Fresh Water Within 1/2 Mile <u>1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil &amp; Gas</u>
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II</u> <u>San Juan River</u>		Geologic Name(s) <u>Desert Creek (5567')</u> and Depth of Source(s) <u>San Juan River (Surface)</u>	
Geologic Name of Injection Zone <u>Desert Creek I &amp; II</u>		Depth of Injection Interval <u>5460</u> to <u>5563</u>	
a. Top of the Perforated Interval: <u>5460</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3910</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO See Attachment #4			
Lithology of Intervening Zones See Attachment #1			
Injection Rates and Pressures Maximum <u>878 (12/82)</u> B/D <u>1400</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u> <u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u> <u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u> <u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>			

State of Wyoming  
County of Natrona

PHILLIPS PETROLEUM COMPANY

Applicant

Before me, the undersigned authority, on this day personally appeared A. E. Stuart  
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on  
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated  
therein, and that said report is true and correct.

Suscribed and sworn to before me this 21<sup>st</sup> day of Sept, 19 83

SEAL

My commission expires Nov 3, 1986

DONALD L. HUDSON - Notary Public

State of

Wyoming Notary Public in and for Natrona Co., Wyoming

My Commission Expires Nov 3, 1986

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

**CASING AND TUBING DATA**

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	13-3/8"	188	230	Surface	Returns
Intermediate	8-5/8"	1496	800 cu. ft.	Surface	Returns
Production	5-1/2"	5686	550 cu. ft.	4267	CALCULATED
Tubing	2-1/2"	5600	Name - Type - Depth of Tubing Packer Baker Loc-Set Pkr 5418'		
Total Depth 5686'	Geologic Name - Inj. Zone Desert Creek I & II		Depth - Top of Inj. Interval 5460'		Depth - Base of Inj. Interval 5563'



14-20-603- 5046

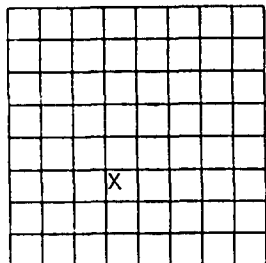
(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

LEASE NO.

API NO. 43-037-16398

640 Acres  
N



Locate Well Correctly  
and Outline Lease

DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

COUNTY San Juan SEC. 9 TWP. 41S RGE. 24E  
COMPANY OPERATING Phillips Petroleum Company  
OFFICE ADDRESS P.O. Box 2920  
TOWN Casper STATE WY ZIP 82602  
FARM NAME \_\_\_\_\_ WELL NO. 9W23  
DRILLING STARTED 4-2 1959 DRILLING FINISHED 4-27 1959  
DATE OF FIRST PRODUCTION 5-16-59 COMPLETED \_\_\_\_\_  
WELL LOCATED NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  \_\_\_\_\_  
1980 FT. FROM SL OF  $\frac{1}{4}$  SEC. & 1980 FT. FROM WL OF  $\frac{1}{4}$  SEC.  
ELEVATION BERRICK FLOOR 4615' GROUND 4600'

TYPE COMPLETION

Single Zone \_\_\_\_\_  
Multiple Zone X \_\_\_\_\_  
Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5462	5498			
Desert Creek II	5504	5576			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8"	48#	H-40	192.72	No Test	230		Surface
8-5/8"	28#	H-40	1505	No Test	800 cu. ft.		Surface
5-1/2"	15.5#	J-55	5686	No Test	550 cu. ft.	<u>1418</u>	<u>4267</u>

PB TOTAL DEPTH 5650

PACKERS SET Baker Loc-Set Pkr @ 5418'  
DEPTH \_\_\_\_\_

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Desert Creek I & II		
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5460-68	5546-5563	
INTERVALS	5475-79		
	5490-94		
	5497-5501		
	2/2/73		
ACIDIZED?	3000 Gal		
	15% HCL		
FRACTURE TREATED?	No		

INITIAL TEST DATA

Date	7/11/64		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	--	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	592		
Pumping or Flowing	Pumping		
CHOKE SIZE	--		
FLOW TUBING PRESSURE	2400#		

A record of the formations drilled through, and pertinent remarks are presented on the reverse.  
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 307-237-3791

A.E. Stuart, Area Manager

Name and title of representative of company

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_ 83  
SEP 22 83

Casper

WELL: 9W23  
LOCATION: NESW Sec 9 41S - 24E  
FIELD: GREATER ANETH  
RESERVOIR: Desert Creek I+II

WELL COMPLETION: 7.11.64  
PRESENT STATUS: W.I.

RKB 4615'  
GL 4600'

SURFACE CASING: 13 3/8" 48"  
H-40

INTERMEDIATE CASING: 8 5/8" 28"  
H-40

PRODUCTION CASING: 5 1/2" 15.5"  
J-55

PERFORATIONS: \_\_\_\_\_  
5460-68  
5475-79  
5490-94  
5497-5501  
5546-5563

PACKER: Baker Loc-set  
Pkr @ 5418'  
Tubing: 2 1/2" @ 5600'

5418'

5460' - 5563'

5600'

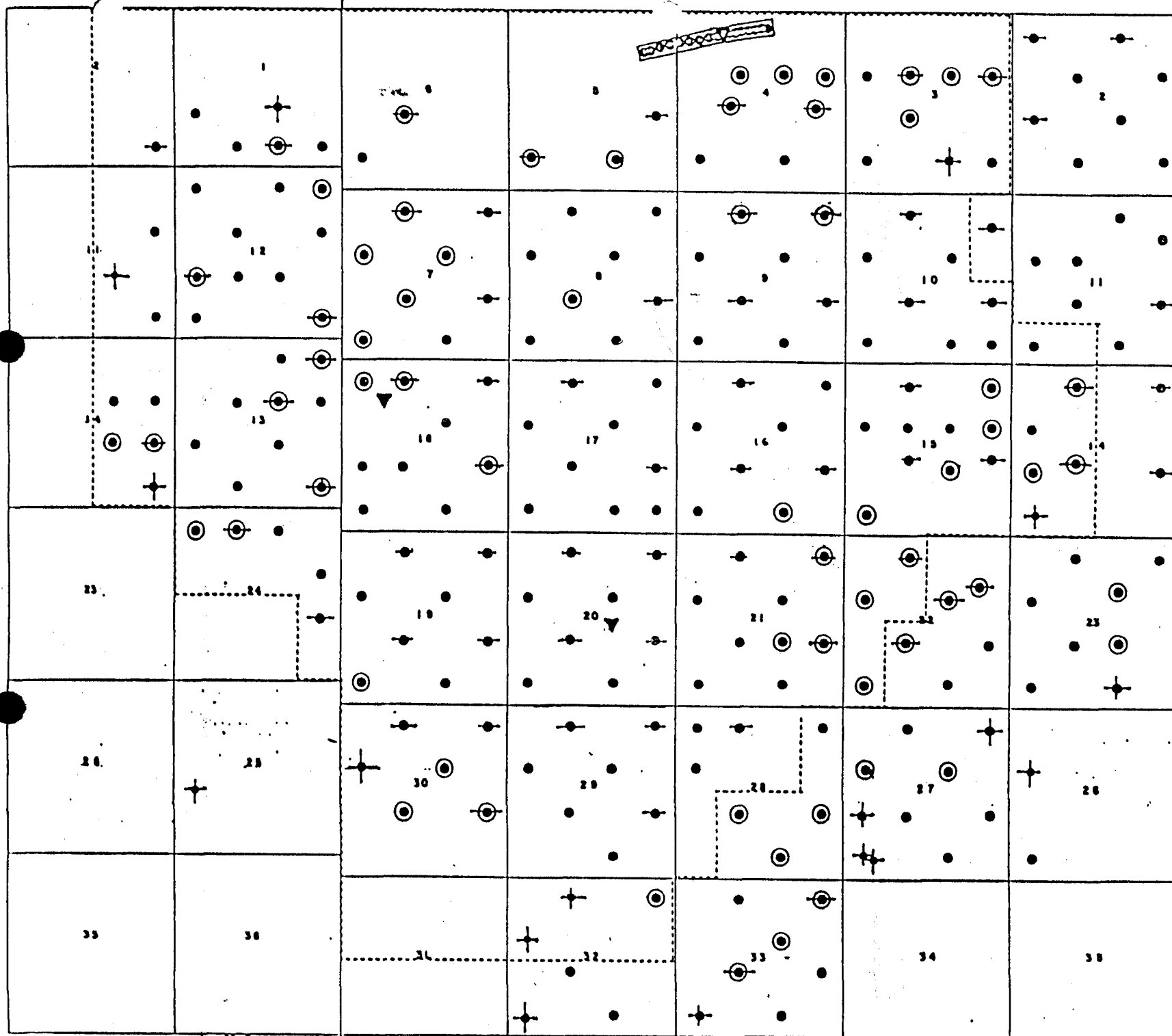
PBTD: 5650'  
OTD: 5686'

5686'

Phillips Petroleum Company

R-23-E

R-24-E



RATHERFORD UNIT  
 SAN JUAN COUNTY, UTAH  
 2" = 1 mile  
 RCT 3-83

- oil producer
- water injector
- water supply
- △ domestic water
- + plugged & abandoned
- shut in well
- unit boundary

## CHEMICAL &amp; GEOLOGICAL LABORATORIES

P. O. Box 2794

Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR Phillips Petroleum Co. DATE 5-27-83 LAB NO. W30480  
 WELL NO. Rutherford Unit LOCATION \_\_\_\_\_  
 FIELD \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY San Juan INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM \_\_\_\_\_

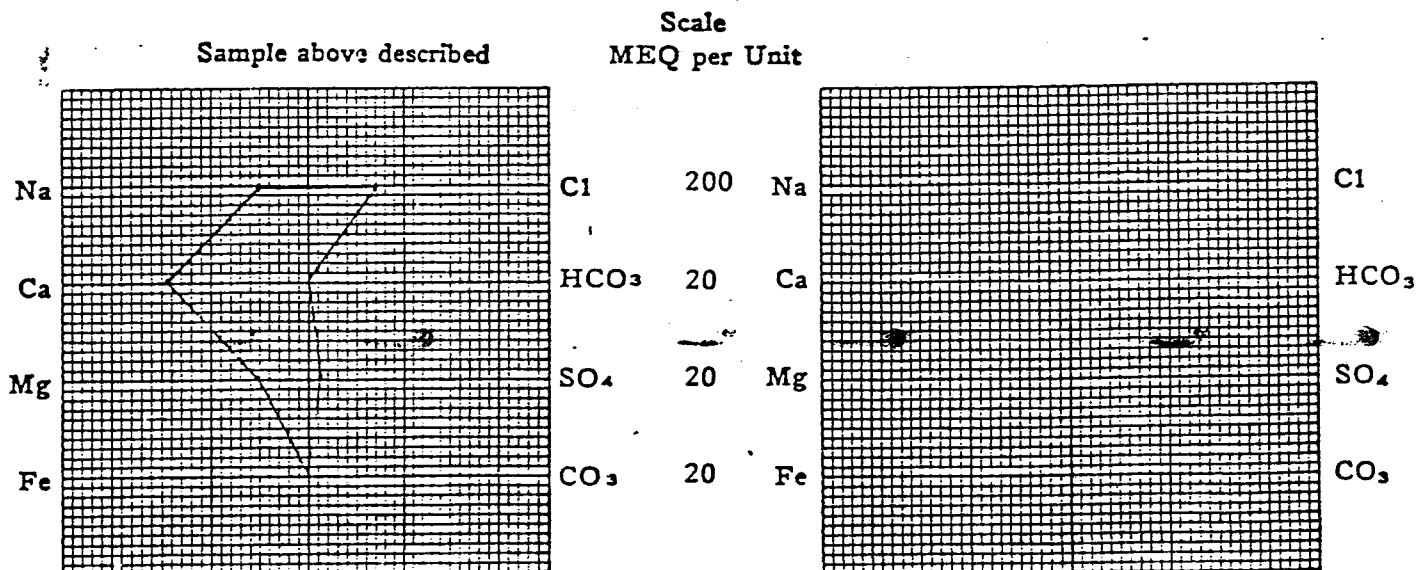
REMARKS & CONCLUSIONS. Specific gravity @68°F ----- 1.0646  
 Oil and grease, mg/l ----- 2.5  
 Aluminum (Al), mg/l ----- 0.90  
 Iron (Fe), mg/l ----- 0.3  
 Total Sulfides, mg/l ----- ND(0.1)

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	24574	1068.99	Sulfate	1190	24.75
Potassium	396	10.14	Chloride	52000	1466.40
Lithium	-	-	Carbonate	0	0.00
Calcium	5982	298.50	Bicarbonate	190	3.12
Magnesium	1419	116.64	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations		1494.27	Total Anions		1494.27

Total dissolved solids, mg/l ----- 85655  
 NaCl equivalent, mg/l ----- 86344  
 Observed pH ----- 7.4

Specific resistance @ 68°F.:  
 Observed ----- 0.095 ohm-meters  
 Calculated ----- 0.086 ohm-meters

## WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter

Sodium chloride equivalent = by Dunlap &amp; Hawthorne calculation from components

## CHEMICAL &amp; GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

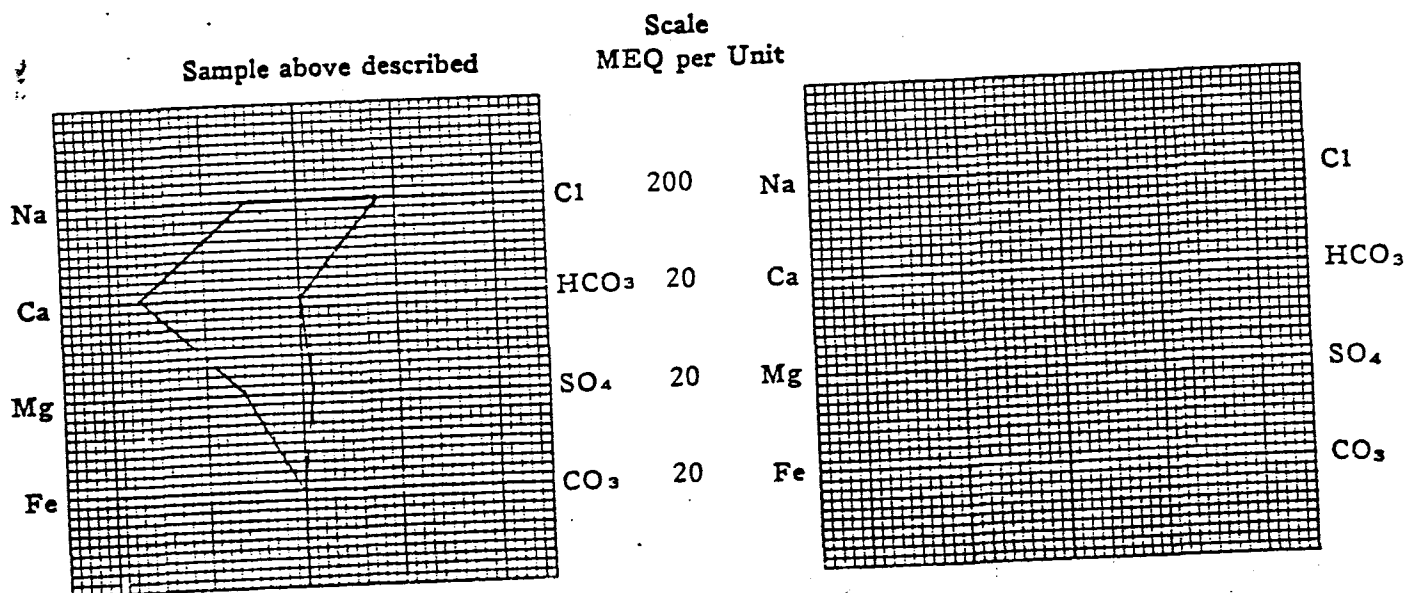
## WATER ANALYSIS REPORT

OPERATOR Phillips Petroleum Company DATE 7-22-83 LAB NO. W30636  
 WELL NO. Ratherford Unit LOCATION \_\_\_\_\_  
 FIELD \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY San Juan INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM Battery #1 Free water knockout  
(7-5-83) @ 10:35  
S/N 28568

## REMARKS &amp; CONCLUSIONS:

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	30147	1311.38	Sulfate	1380	28.70
Potassium	429	10.98	Chloride	63000	1776.60
Lithium	--	--	Carbonate	0	0.00
Calcium	6865	342.56	Bicarbonate	151	2.48
Magnesium	1738	124.86	Hydroxide	--	--
Iron	--	--	Hydrogen sulfide	--	--
Total Cations		1807.78	Total Anions		1807.78
Total dissolved solids, mg/l		103633	Specific resistance @ 68°F.:		
NaCl equivalent, mg/l		104549	Observed	0.087	ohm-meters
Observed pH		7.3	Calculated	0.078	ohm-meters

## WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
 Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

# CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford 9W23  
 County: San Juan T 41S R 24E Sec. 9 API# 43-037-10398  
 New Well ☐ Conversion ☐ Disposal Well ☐ Enhanced Recovery Well ☒

	YES	NO
UIC Forms Completed	<u>✓</u>	
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	
Schematic Diagram	<u>✓</u>	
Fracture Information	<u>✓</u>	
Pressure and Rate Control	<u>✓</u>	
Adequate Geologic Information	<u>✓</u>	
Fluid Source	<u>Desert 9 brack</u>	

Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>85655</u>
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>103633</u>

Known USDW in area	<u>Wingate</u>	Depth <u>1550</u>
Number of wells in area of review	<u>70</u>	Prod. <u>4</u> P&A <u>0</u>
		Water <u>0</u> Inj. <u>3</u>

Aquifer Exemption Yes ☐ NA ☒

Mechanical Integrity Test Yes ☐ No ☒

Date \_\_\_\_\_ Type \_\_\_\_\_

Comments: TOC 4247

Reviewed by: ABF

UTAH DIVISION OF OIL, GAS AND MINING  
CASING-BRADENHEAD TEST

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Ratherford Unit

WELL # 9W23 SEC. 9 TOWNSHIP 41S RANGE 24E

STATE (FED.) FEE DEPTH 5686' TYPE WELL INJW MAX. INJ. PRESS. 1400 psi

TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 3/8</u>	<u>188</u>	<u>230<sub>5x</sub></u>			
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>1496</u>	<u>800<sub>H<sup>2</sup></sub></u>			
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5686</u>	<u>550<sub>ft</sub></u>	<u>0</u>	<u>Blew small amount of gas</u>	<u>OK</u>
<u>TUBING</u>	<u>2 1/2</u>	<u>5600</u>	<u>Valve</u>			
	<u>Baker Loc-Set Pkr at 5418</u>					

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER WATER INJECTION & WATER SUPPLY WELLS

2. NAME OF OPERATOR  
PHILLIPS PETROLEUM COMPANY

3. ADDRESS OF OPERATOR  
152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

SEE ATTACHED

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, BM, etc.)

OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SW-I-4192

7. UNIT AGREEMENT NAME

RATHERFORD UNIT #7960041920

8. FARM OR LEASE NAME

9. WELL NO.

VARIOUS (see attached)

10. FIELD AND POOL, OR WILDCAT  
GREATER ANETH

11. SEC., T., R., N., OR S.E. AND  
SUBST. OR AREA

Sections 1 thru 30

T41S -- R23E & 24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) CHANGE OF OWNERSHIP

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985.

(former Operator - Phillips Oil Company)

3 - BLM, Farmington, NM  
2 - Utah O&G CC, SLC, UT  
1 - File

18. I hereby certify that the foregoing is true and correct

SIGNED

S. H. Oden

TITLE District Superintendent

DATE March 17, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 9W23

Location NE SW Sec. 9

RKB Elev. 4615'

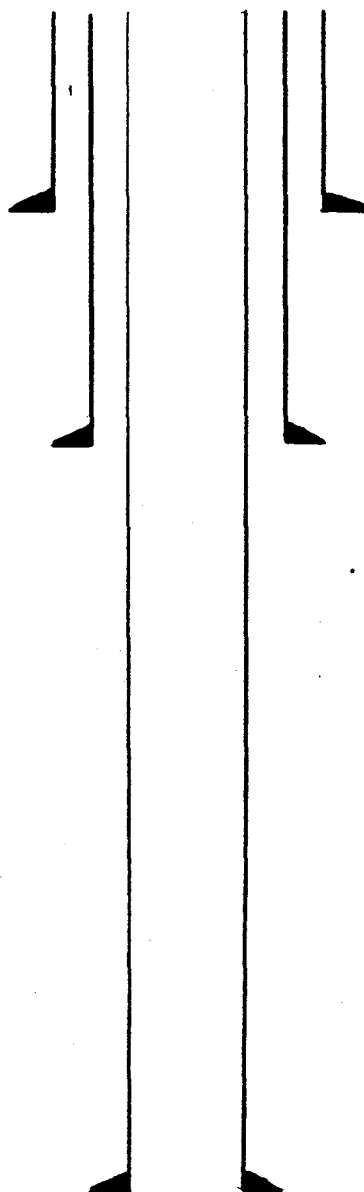
T41S-R24E

GL Elev. 4603'

Well Drld 4/27/59

RKB Above GL' 12'

Well converted  
to injector 7/11/64



CONDUCTOR CSG 13 3/8" @ 188'

SURFACE CSG. 8 5/8" @ 1496'

TOC 3500' CALL.

Tubing 2 1/2" @ 5418' MARLEX LINER

PACKER BAKER LOK-SET @ 5418

PERFS	<u>5460 - 68</u>	<u>5506 - 09</u>
	<u>5475 - 79</u>	<u>5546 - 63</u>
	<u>5490 - 94</u>	<u>      -      </u>
	<u>5497 - 5501</u>	<u>      -      </u>

PBTD 5650'

PRODUCTION CSG. 5 1/2" @ 5686'  
J-55 15.5#

All Perfs Zone I unless noted

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED  
MAY 16 1986

Attn: R. J. Firth  
Associate Director

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGPage 1 of 10

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL  
PHILLIPS PETROLEUM COMPANY  
5525 HWY 64 NBU 3004  
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23								
4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44								
4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14								
4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12								
4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14								
4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12								
4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12								
4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32								
4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34								
4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32								
4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12								
4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34								
4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12								
4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

Page 1 of 1

## MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L.B. Sheffield*

BRIAN BERRY

~~M-E-P-N-A~~ MOBIL

POB 219031 1807A RENTWR P.O. DRAWER 6

DALLAS TX 75221-9031 CORTEZ, CO. 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT ☐ (Highlight Changes)*X931006 updated. Jec*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

RECEIVED

SEP 13 1993

DIVISION OF  
OIL, GAS & MINING

COMMENTS:

PLEASE NOTE ADDRESS change. Robin ~~also~~ PRODUCTION Reports  
will be compiled and sent from the Cortez, Co. office  
IN THE FUTURE.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9/5/93

Name and Signature:

*Lwell B Sheffield*

Telephone Number:

303 565 2212  
244 658 2528

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO.  6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME RATHERFORD UNIT	
2. NAME OF OPERATOR MOBIL OIL CORPORATION		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
14. API NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		12. COUNTY SAN JUAN
13. STATE UTAH		

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/> CHANGE OF OPERATOR (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
APPROX. DATE WORK WILL START _____	DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.  
 ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED Shirley Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

FROM: Janice Easley  
BLM Farmington, NM  
505 599-6355

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*24c Rotherford Unit (GC)*

RECEIVED  
BLM

SEP 27 11:44

070 FARMINGTON, NM

Navajo Area Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

ARES/543

JUL 23 1993

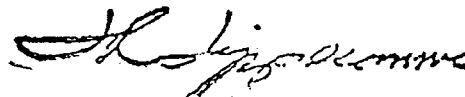
Mr. G. D. Cox  
Mobil Exploration and  
Producing North America, Inc.  
P. O. Box 633  
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Rotherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.  
TNN, Director, Minerals Department w/enc.

MINERALS DIVISION
NO. 1872
DATE
FILED
SEP 27 11:44
070 FARMINGTON, NM
ALL SUPPLY
FILED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED  
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona  
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702  
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]  
Attorney-in-Fact

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. Martiny  
Attorney-in-Fact B.D. MARTINY

[Signature]

ACTING

AREA DIRECTOR

7/9/93

APPROVED BY

TITLE

DATE

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.



## EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

## EXHIBIT "C"

Revised as of September 29, 1992  
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

100% Indian Lands

TOTAL 12,909.74

100.0000000

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_

☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ Other  
OPERATOR CHANGE  
\_\_\_\_\_  
\_\_\_\_\_

(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☒  
Talked to:

Name GLEN COX (Initiated Call ☐ - Phone No. (915) 688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".  
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL  
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS

PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW

BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303) 565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY  
REPORTED OUT OF DALLAS (MCELMO CREEK).

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: \_\_\_\_\_  
Field or Unit name: RATHERFORD UNIT API no. \_\_\_\_\_  
Well location: QQ \_\_\_\_\_ section \_\_\_\_\_ township \_\_\_\_\_ range \_\_\_\_\_ county \_\_\_\_\_  
Effective Date of Transfer: July 1, 1993

CURRENT OPERATOR

Transfer approved by:

Name Ed Hasely Company Phillips Petroleum Company  
Signature Ed Hasely Address 5525 HWY. 64  
Title Environmental Engineer Farmington, NM 87401  
Date October 22, 1993 Phone ( 505 ) 599-3460

Comments:

NEW OPERATOR

Transfer approved by:

Name Shirley Todd Company Mobil Exploration & Producing North America  
Signature Shirley Todd Address P O Box 633  
Title Env. & Reg. Technician Midland, TX 79702  
Date October 7, 1993 Phone ( 915 ) 688-2585

Comments:

(State use only)

Transfer approved by: [Signature] Title UIC Manager  
Approval Date 10-27-93

Lisha Cordova (801) 538-5340

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF UTAH

APPLICATION OF PHILLIPS PETROLEUM )  
 COMPANY FOR THE APPROVAL OF THE )  
 UNIT OPERATIONS AND PRESSURE MAIN- ) CAUSE NO. 53  
 TENANCE PROGRAM FOR THE RATHERFORD )  
 UNIT IN THE GREATER ANETH AREA, )  
 SAN JUAN COUNTY, UTAH )

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utah at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Walter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair M. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips Petroleum Company, the applicant and Unit Operator of the Ratherford Unit, which embraces as the unit area the following described land in San Juan County, State of Utah, to wit:

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SEPM

Section 1:	All	Sections 12 and 13:	All
Section 2:	E/2	Section 14:	E/2
Section 11:	E/2	Section 24:	All

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SEPM

Section 3:	SW/4	Sections 15	All
Section 4:	S/2	through 21:	SW/4 and
Sections 5 through 9:	All	Section 22:	E/2 of the
Section 10:	S/2 and NW/4		SW/4
	and E/2 of NE/4	Section 23:	NE/4 and
Section 11:	S/2 of SW/4		E/2 of NE/4
			and W/2 of SW/4
Section 14:	E/2	Section 29 and 30:	All
		Section 31:	E/2
		Section 32:	E/2

R. R. Robison on behalf of Shell Oil Company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would submit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Ratherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed. The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

#### FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.

2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.

3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

#### ORDER

THEREFORE, IT IS ORDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

1. Unit operation of the Ratherford Unit Area under the Ratherford Unit Agreement is approved.

2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.

3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

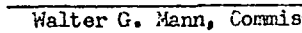
THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner presiding

  
C. R. Henderson, Chairman

  
M. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

  
Walter G. Mann, Commissioner

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	REC/47-93
2	DES/58-93
3	VLC
4	RJEV
5	DEP
6	RL

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) M E P N A  
 (address) PO DRAWER G  
CORTEZ, CO 81321  
GLEN COX (915)688-2114  
 phone (303) 565-2212  
 account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY  
 (address) 5525 HWY 64 NBU 3004  
FARMINGTON, NM 87401  
PAT KONKEL  
 phone (505) 599-3452  
 account no. N0772(A)

Well(s) (attach additional page if needed):

**\*RATHERFORD UNIT (NAVAJO)**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-037-16398</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

1. All attachments to this form have been microfilmed. Date: 11-17 1993.

### FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

931006 BIA/Bfm Approved 7-9-93.



WELL #	API#	LEASE #	SEC., T, R	LOCATION OF WELL
✓ 01W-13	43-037-15838	14-20-603-246A	SEC. 1, T41S, R23E	NW/SW 1980 FSL; 660 FWL
✓ 01-14	43-037-31162	14-20-603-246A	SEC. 1, T41S, R23E	SW/SW 660 FSL; 660 FWL
✓ 01W-24	43-037-15839	14-20-603-246	SEC. 1, T41S, R23E	SE/SW 651 FSL; 3300 FEL
✓ 01-34	43-037-16385	14-20-603-246A	SEC. 1, T41S, R23E	SW/SE 4147 FNL; 1980 FEL
✓ 01W-44	43-037-15840	14-20-603-246A	SEC. 1, T41S, R23E	660 FSL; 661 FEL
✓ 02W-44	43-037-16386	14-20-603-246A	SEC. 2, T41S, R23E	SE/SE 810 FNL; 5110' FWL
✓ 03-14	43-037-15124	14-20-603-5445	SEC. 3, T41S, R24E	660 FSL; 660 FEL
✓ 03-12	43-037-15620	14-20-603-6506	SEC. 3, T41S, R24E	SW/NW 2140 FNL; 660 FWL
✓ 03W-42	43-037-16388	14-20-603-6505	SEC. 3, T41S, R24E	SW/NE 1980 FNL; 660 FEL
✓ 03-44	43-037-15031	14-20-603-6504	SEC. 3, T41S, R24E	520 FSL; 820 FEL
✓ 04-14	43-037-16163	14-20-603-5446	SEC. 4, T41S, R24E	500 FSL; 600 FEL
✓ 04-34	43-037-16164	14-20-603-4035	SEC. 4, T41S, R24E	660 FSL; 1980 FEL
✓ 05-34	43-037-15983	14-20-603-368	SEC. 5, T41S, R24E	SW/SE 612 FSL; 1990 FEL
✓ 05W-43	43-037-16392	14-20-603-368	SEC. 5, T41S, R24E	1400 FSL; 990 FEL
✓ 06W-14	43-037-15984	14-20-603-368	SEC. 6, T41S, R24E	SW/SW 660; FSL; 660 FWL
✓ 06W-23	43-037-16393	14-20-603-368	SEC. 6, T41S, R24E	1830 FSL; 1895 FWL
✓ 07-11	43-037-31163	14-20-603-368	SEC. 7, T41S, R24E	NW/NW 660 FNL; 710 FWL
✓ 07W-12	43-037-15985	14-20-603-368	SEC. 7, T41S, R24E	SW/NW 2140 FNL; 585 FWL
✓ 07-13	43-037-31164	14-20-603-368	SEC. 7, T41S, R24E	NW/SW 2110 FSL; 740 FWL
✓ 07W-14	43-037-15986	14-20-603-368	SEC. 7, T41S, R24E	SW/SW 1065 FSL; 660 FWL
✓ 07W-21	43-037-16394	14-20-603-368	SEC. 7, T41S, R24E	710 FNL; 1820 FWL
✓ 07-22	43-037-31165	14-20-603-368	SEC. 7, T41S, R24E	SE/NW 1980 FNL; 1980 FWL
✓ 07W-23	43-037-15987	14-20-603-368	SEC. 7, T41S, R24E	NE/SW 1980 FSL 1980 FWL
✓ 07-24	43-037-31166	14-20-603-368	SEC. 7, T41S, R24E	SE/SW 880 FSL; 2414 FWL
✓ 07W-32	43-037-15988	14-20-603-368	SEC. 7, T41S, R23E	SW/NE 1980 FNL; 1980 FEL
✓ 07-33	43-037-31167	14-20-603-368	SEC. 7, T41S, R24E	NW/SE 2105 FSL; 1876 FEL
✓ 07W-34	43-037-15989	14-20-603-368	SEC. 7, T41S, R24E	710 FSL; 2003 FEL
✓ 07W-41	43-037-15990	14-20-603-368	SEC. 7, T41S, R24E	NE/NE 585 FNL; 770 FEL
✓ 07W-43	43-037-16395	14-20-603-368	SEC. 7, T41S, R24E	2110 FSL; 660 FEL
✓ 07-44	43-037-31189	14-20-603-368	SEC. 7, T41S, R24E	SE/SE 737 FSL; 555 FEL
✓ 08-12	43-037-15991	14-20-603-368	SEC. 8, T41S, R24E	SW/NW 1909 FNL; 520 FWL
✓ 08W-14	43-037-15992	14-20-603-368	SEC. 8, T41S, R24E	745 FSL; 575 FWL
✓ 08-21	43-037-15993	14-20-603-368	SEC. 8, T41S, R24E	616 FNL; 1911 FWL
✓ 08-23	43-037-15994	14-20-603-368	SEC. 8, T41S, R24E	NE/NW 1920 FSL; 2055 FWL
✓ 08-32	43-037-15995	14-20-603-368	SEC. 8, T41S, R24E	SW/NE 1980 FNL; 1980 FEL
✓ 08-34	43-037-15996	14-20-603-368	SEC. 8, T41S, R24E	SW/SE 660 FSL; 1980 FEL
✓ 08-41	43-037-15997	14-20-603-368	SEC. 8, T41S, R24E	NE/NE 660 FNL; 660 FEL
✓ 08W-43	43-037-16396	14-20-603-368	SEC. 8, T41S, R24E	1980 FSL; 660 FEL
* ✓ 09W-23	43-037-16398	14-20-603-5046	SEC. 9, T41S, R24E	NW/SE 1980 FSL; 1980 FWL
✓ 09-12	43-037-15126	14-20-603-5045	SEC. 9, T41S, R24E	1865 FNL; 780 FWL
✓ 09W-21	43-037-16397	14-20-603-5045	SEC. 9, T41S, R24E	660 FNL; 2080 FWL
✓ 09-14A	43-037-15127	14-20-603-5046	SEC. 9, T41S, R24E	710 FSL; 660 FWL
✓ 09-32	43-037-16165	14-20-603-4035	SEC. 9, T41S, R24E	1980 FNL; 1980 FEL
✓ 09W-41	43-037-16399	14-20-603-4035	SEC. 9, T41S, R24E	660 FNL; 660 FEL
✓ 09W-43	43-037-16400	14-20-603-4043	SEC. 9, T41S, R24E	1980 FSL; 660 FEL
✓ 10W-23	43-037-16402	14-20-603-4043	SEC. 10, T41S, R24E	1980 FSL; 1980 FWL
✓ 10-14	43-037-15713	14-20-603-4043	SEC. 10, T41S, R24E	510 FSL; 710 FWL
✓ 10-12	43-037-15712	14-20-603-4043	SEC. 10, T41S, R24E	660 FWL; 1980 FNL
✓ 10W-21	43-037-16401	14-20-603-4043	SEC. 10, T41S, R24E	810 FNL; 1980 FWL
✓ 10-34	43-037-16166	14-20-603-4037	SEC. 10, T41S, R24E	620 FSL; 1860 FEL
✓ 10W-43	43-037-16403	14-20-603-4037	SEC. 10, T41S, R24E	1980 FSL; 550 FEL
✓ 11-41	43-037-31544	14-20-603-246A	SEC. 11, T41S, R23E	NE/NE 860 FNL; 350 FEL
✓ 11-42W	43-037-15841	14-20-603-246	SEC. 11, T41S, R23E	3290 FNL; 4617 FEL
✓ 11-43	43-037-31622	14-20-603-246A	SEC. 11, T41S, R23E	1980 FSL; 660 FEL
✓ 11W-44	43-037-15842	14-20-603-246A	SEC. 11, T41S, R23E	SE/SE 660 FSL; 558 FEL
✓ 12W-11	43-037-15843	14-20-603-246A	SEC. 12, T41S, R23E	NW/NW 678 FNL; 4620 FEL
✓ 12-12	43-037-31190	14-20-603-246A	SEC. 12, T41S, R23E	SW/NW 1850 FNL; 660 FWL
✓ 12W-13	43-037-16404	14-20-603-246A	SEC. 12, T41S, R23E	1980 FSL; 4620 FEL
✓ 12-14	43-037-15844	NA	SEC. 12, T41S, R23E	660 FNL; 4622 FWL
✓ 12-21	43-037-31201	14-20-603-246A	SEC. 12, T41S, R23E	NE/NW 660 FNL; 1980 FWL
✓ 12W-22	43-037-15845	14-20-603-246	SEC. 12, T41S, R23E	NA
✓ 12-23	43-037-15846	14-20-603-246A	SEC. 12, T41S, R23E	1958 FNL; 3300 FWL
✓ 12W-24	43-037-31151	14-20-603-246A	SEC. 12, T41S, R23E	775 FSL; 1980
✓ 12-32	43-037-31203	14-20-603-246A	SEC. 12, T41S, R23E	SW/NE 1820 FNL; 1820 FEL
✓ 12W-33	43-037-15848	14-20-603-246A	SEC. 12, T41S, R23E	NW/SE 1957 FSL; 1981 FEL
✓ 12-34	43-037-31126	14-20-603-246A	SEC. 12, T41S, R23E	SW/SE 675 FSL; 1905 FEL
✓ 12-41	43-037-15849	14-20-603-246A	SEC. 12, T41S, R23E	656 FNL; 660 FEL
✓ 12W-42	43-037-15850	14-20-603-246A	SEC. 12, T41S, R23E	3275 FSL; 662 FEL

PAID RECEIVED

SEP 15 1993

DIVISION OF OIL, GAS & MINING

PAID

PAID PAID

14-20-603-246

SENE 1920 FNL 2080 FWL

# PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** \_\_\_\_\_

☐ **Suspense**  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ **Other**  
**OPER NM CHG** \_\_\_\_\_

(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_

(API No.) \_\_\_\_\_

1. Date of Phone Call: 8-3-95 Time: \_\_\_\_\_

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)  
Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. ( ) \_\_\_\_\_

of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING  
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT  
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing

1- <del>EC</del>	7- <del>PL</del>
2- <del>LWP</del>	8- <del>SJ</del>
3- <del>DES</del>	9- <del>FILE</del>
4- <del>VLC</del>	
5- <del>RJF</del>	
6- <del>LWP</del>	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303 ) **564-5212**  
 account no. **N7370**

FROM (former operator) **M E P N A**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303 ) **564-5212**  
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: <u>037-16398</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- le 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- WP 6. Cardex file has been updated for each well listed above. 8-21-95
- WP 7. Well file labels have been updated for each well listed above. 9-28-95
- le 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- le 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *\* No Fee Lease Wells at this time!*

- N/A Lee 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)       . Today's date                      19      . If yes, division response was made by letter dated                      19      .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated                      19      , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 4 1995.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

950803 LIC F5/Not necessary!

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15506	L-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16358	K-24	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30400	K-22X	41S	25E	18	INJI	Y
✓MEPNA (MOBIL	43-037-15499	J-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15508	L-25	41S	25E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15839	1W24	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-15838	1W13	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16386	2W44	41S	23E	2	INJW	Y
✓MEPNA (MOBIL	43-037-15842	11W44	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15841	11W42	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15848	12W33	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15850	12W42	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15847	12W31	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-16404	12W13	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15845	12W22	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15843	12W11	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31151	12W24	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31543	RATERFORD 12	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15854	13W31	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15851	13W13	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15857	13W42	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16407	13W44	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15855	13W33	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-31152	13W11	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15852	13W22	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15853	13W24	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16410	14W43	41S	23E	14	INJI	Y
✓MEPNA (MOBIL	43-037-15860	14W43	41S	23E	14	INJW	Y
✓MEPNA (MOBIL	43-037-15863	24W42	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15862	24W31	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15984	6W14	41S	24E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15988	7W32	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15990	7W41	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16394	7W21	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15985	7W12	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15989	7W34	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15986	7W14	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15987	7W23	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16395	7W43	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16396	8W43	41S	24E	8	INJI	Y
✓MEPNA (MOBIL	43-037-15992	8W14	41S	24E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16398	9W23	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16400	9W43	41S	24E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16397	9W21	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16402	10W23	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16401	10W21	41S	24E	10	INJI	Y
✓MEPNA (MOBIL	43-037-16403	10W43	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16413	15W43	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16411	15W21	41S	24E	15	INJW	Y
✓MEPNA (MOBIL	43-037-16412	15W23	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16415	16W43	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15720	16W12	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15721	16W14	41S	24E	16	INJW	Y

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **MOBIL PRODUCING TX & NM INC.\***  
**\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3. Address and Telephone No.

**P.O. Box 633, Midland TX 79702 (915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEC. 17, T41S, R24E**  
**(NE/SE) 1980' FSL & 660' FEL**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

**14-20-603-5046**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation

**RATHERFORD UNIT**

8. Well Name and No.

**RATHERFORD 9-W-23**

9. API Well No.

**43-037-16398**

10. Field and Pool, or exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

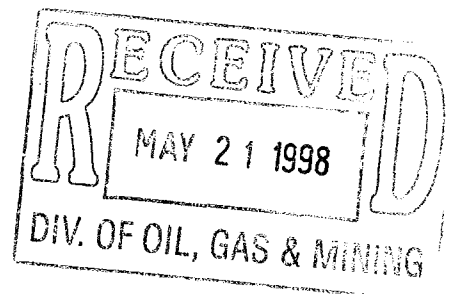
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **MIT TEST**
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED MIT AND CHART



14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Houchins*

Title **SHIRLEY HOUCHINS/ENV & REG TECH**

Date **5-18-98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc. Date of Test 2-27-98  
Well Name RU # 9W-23 EPA Permit No. \_\_\_\_\_  
Location Sec. 9, T41S-R24E Tribal Lease No. 14-20-603-5046  
State and County San Juan County, Utah

Continuous Recorder? YES ☒ NO ☐ Pressure Gauge? YES ☒ NO ☐  
Bradenhead Opened? YES ☒ NO ☐ Fluid Flow? YES ☐ NO ☒

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>4:15</u>	<u>1000</u>	<u>2150</u>
<u>4:20</u>	<u>1000</u>	<u>2150</u>
<u>4:25</u>	<u>1000</u>	<u>2150</u>
<u>4:35</u>	<u>990</u>	<u>2150</u>
<u>4:45</u>	<u>980</u>	<u>2150</u>

MAX. INJECTION PRESSURE: \_\_\_\_\_ PSI  
MAX. ALLOWABLE PRESSURE CHANGE: \_\_\_\_\_ PSI (TEST PRESSURE X 0.05)  
REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

SALTWATER DISPOSAL WELL  
PASSED M.I.T.

Fritz Johnson  
COMPANY REPRESENTATIVE: (Print and Sign)  
Melvin Capitan Jr.  
INSPECTOR: (Print and Sign)

2-27-98  
DATE  
2-27-98  
DATE

# U.S. ENVIRONMENTAL PROTECTION AGENCY

## NOTICE OF INSPECTION

### Address (EPA Regional Office)

Region 9  
Environmental Inspection Agency  
215 Fremont Street (W-6-2)  
San Francisco, CA 94105

### Inspection Contractor

Navajo Nation EPA  
GPC Program  
P.O. Box 1979  
Shiprock, NM 87420

### Firm To Be Inspected

Mobil E. & P., Inc.  
P.O. Box Drawer G  
Cortez, CO 81321

Date *2-27-98*

Hour *9:30 am*

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seq.).

### Reason For Inspection

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable permit or rule.

*RU # 7W-21, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 8W-14, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 18W-34, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 8W-43, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 29W-23, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 30W-21, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 9W-23, WATER INJECTION WELL, M.I.T. - PASSED*

Section 1445(b) of the SDWA (42 U.S.C. §300 j-4 (b) is quoted on the reverse of this form.

Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative

*[Signature]*

Date

*2-27-98*

Inspector

*[Signature]*



5 6 AM

MIDNIGHT

NOON

GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-1500

METER \_\_\_\_\_

CHART PUT ON \_\_\_\_\_

TAKEN OFF \_\_\_\_\_

LOCATION RU # 9W-23

REMARKS Mobil E. & P., Inc.

2-27-93

MADE IN U.S.A.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator MOBIL PRODUCING TX & NM INC.\*

\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 9, T41S, R24E

NW/SE 1980' FSL & 1980' FWL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-5046

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD

9-W-23

9. API Well No.

43-037-16398

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN

UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

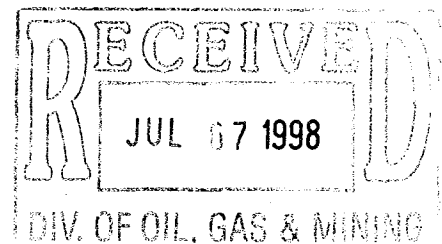
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☒ Casing Repair  
☐ Altering Casing  
☒ Other WORKOVER  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED PROCEDURE FOR WORKOVER (6-98).

COPY SENT TO OPERATOR  
Date: 7/7/98  
Initials: LBR



14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Houchins*  
Accepted by the  
Utah Division of

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 6-30-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any

Oil, Gas and Mining

FOR RECORD ONLY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### IV. Workover Procedure

1. RU WSU. Use commercial brine to kill the well down the tubing.
2. ND wellhead and RU BOP's and test using chart.
3. Unset packer and POH with 2 3/8" Duoline tubing. Replace as needed.
4. PU workstring and bit and tag fill, circ and clean out to 5600'.
5. RIH w/ packer and set at 5300'. Test casing to 1000 psi. If the casing holds then proceed to step 12.
6. If casing fails, RU Blue Jet wireline and run casing inspection log from 5400'-surface. Send results to Wendy Storbeck or relay by phone problem areas.
7. PU a bridge plug and packer to locate leak.
8. Obtain rate and discuss further plans with engineer.
9. If rate is between 1-2 bpm. Move bridge plug 50 ft below bottom of the leak. RU wireline and dump 10 ft of sand on top of bridge plug. PU a cement retainer and CCL locator and 50 ft above the top of the leak.
10. RU Dowell to squeeze:

Slurry: Class 'G' + 0.4% D-156 (fluid loss control) + 0.1% D-65 (dispersant)

Volume: 30 sx (17 sx for casing and 13 sx for perfs volume)

*Have 50 sx of Class 'G' neat additional cement available on location if needed.*

Yield: 1.15 ft<sup>3</sup>/sx

Water Req: 4.97 gal/sx

Density: 15.6 #/gal

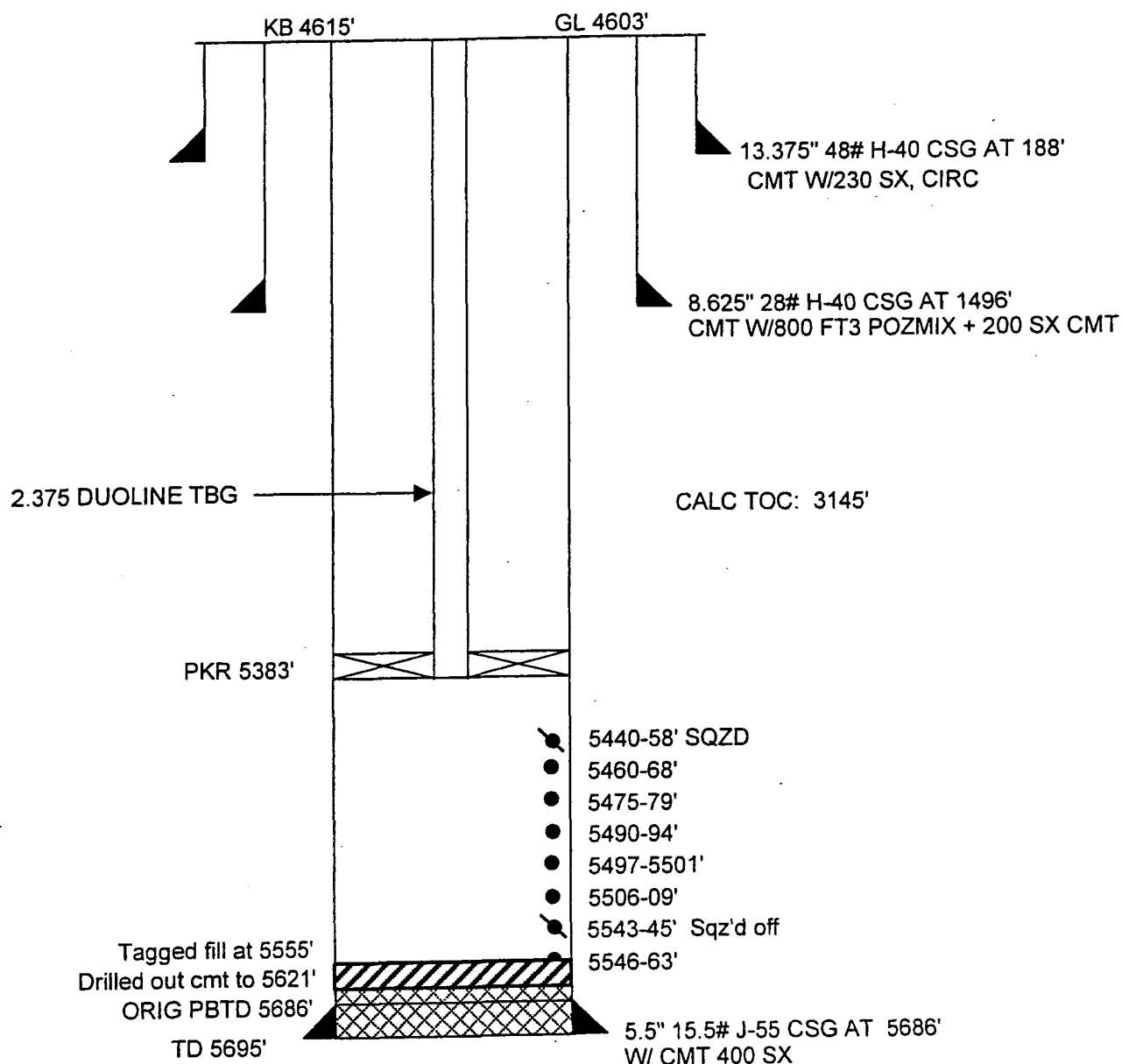
- a) RIH with tbg and sting into retainer and sting back out to make sure there are no problems with getting out of the retainer.
  - b) Sting into retainer once again and obtain injection rate of approximately 1 bpm.
  - c) RU truck on annulus and maintain 500 psi on backside during job.
  - d) Begin pumping cement at 1 bpm. Maintain surface pressure below fracture pressure of 6100 psi. **Maximum surface pump pressure available is estimated at 3000 psi.**
  - e) Displace with 31 bbls of fresh water.
  - f) Sting out of retainer and reverse circulate on top of retainer to clean up good.
  - g) RDMO DS.
11. ND BOP'S. Replace casing or tubing head as necessary. Pick up 5 1/2" spear and spear in order to change casing head along with the tubing head. Remove old casing slips. Back off or cut existing casing head and replace with a new casing head and bowl and base plate. Set new slips and slack off casing, releasing spear. Redi-mix baseplate.

head and bowl and base plate. Set new slips and slack off casing, releasing spear. Redi-mix baseplate.

12. PU 10-4" drill collars and workstring and bit to drill out cement retainer. Test squeeze to 1000 psi. If it hold continue with POH with bit.
13. RBIH to retrieve bridge plug and continue to RIH with injection pkr and 2 3/8" Duoline tubing.

RATHERFORD UNIT #9-23  
GREATER ANETH FIELD  
1980' FSL & 1980' FWL  
SEC 9-T41S-R24E  
SAN JUAN COUNTY, UTAH  
API #43-037-16398  
PRISM ID 0042964

WIW LOW P



K M McCLELLAN 9-22-94  
LAT 3-26-96

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **MOBIL PRODUCING TX & NM INC.\***  
**\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3. Address and Telephone No.

**P.O. Box 633, Midland TX 79702 (915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEC. 9, T41S, R24E**  
**NW/SE 1980' FSL & 1980' FWL**

5. Lease Designation and Serial No.

**14-20-603-5046**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation

**RATHERFORD UNIT**

8. Well Name and No.

**RATHERFORD 9-W-23**

9. API Well No.

**43-037-16398**

10. Field and Pool, or exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

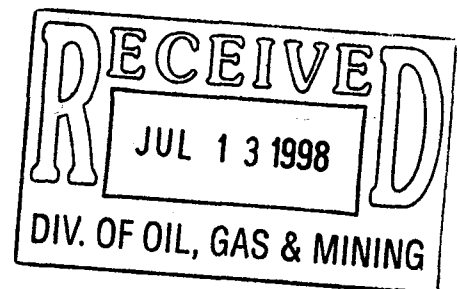
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **MIT**
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

ATTACHED MIT & CHART / SCHEDULED TEST



14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Houchins*

Title **SHIRLEY HOUCHINS/ENV & REG TECH**

Date **7-8-98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**ANNULAR PRESSURE TEST**

(Mechanical Integrity Test)

Operator MobilDate of Test 6-24-98Well Name ATHERFORD UNITY WELL # 9W-23

EPA Permit No. \_\_\_\_\_

Location SEC 9 T4S R24ETribal Lease No. 14-20-603-504State and County SAN JUAN COUNTY, UTAHContinuous Recorder? YES ☒ NO ☐Pressure Gauge? YES ☒ NO ☐Bradenhead Opened? YES ☐ NO ☐Fluid Flow? YES ☐ NO ☐

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>1:53pm</u>	<u>1120</u>	<u>0 (Vacuum)</u>
<u>1:58pm</u>	<u>1120</u>	
<u>2:03pm</u>	<u>1120</u>	
<u>2:08pm</u>	<u>1120</u>	
<u>2:13pm</u>	<u>1120</u>	
<u>2:18pm</u>	<u>1120</u>	
<u>2:23pm</u>	<u>1120</u>	

MAX. INJECTION PRESSURE: RANGE 2500-3200 PSIMAX. ALLOWABLE PRESSURE CHANGE: 56.0 PSI (TEST PRESSURE X 0.05)REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).PASSED MITCOMPANY REPRESENTATIVE: IVAN DENALI (Print and Sign)6-24-98  
DATEINSPECTOR: Melma Clark (Print and Sign)6-24-98  
DATE

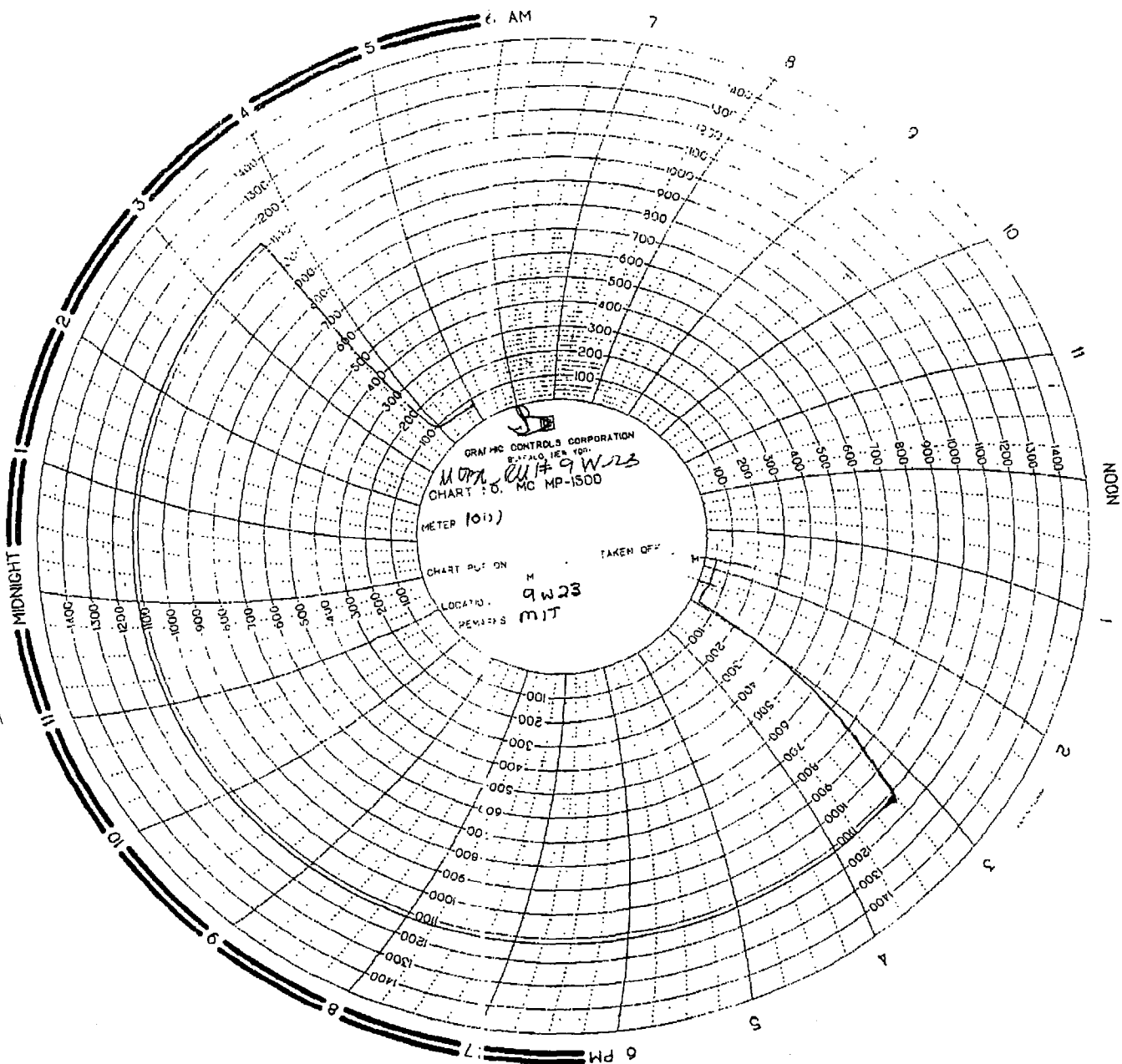
07/07/98

14:03

970 525 1379

Mobil Aneth

023





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 9, T41S, R24E  
NW/SE 1980' FSL & 1980' FWL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-5046

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 9-W-23

9. API Well No.

43-037-16398

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

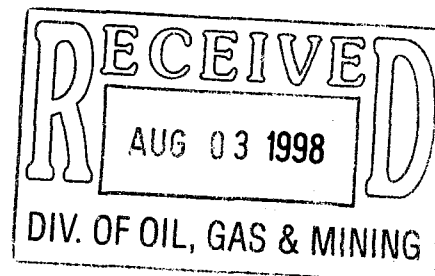
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other WORKOVER  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED FOR WORKOVER (6-29-98 -- 07-10-98)



14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Houchins*

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date

7-28-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instruction on Reverse Side

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT - WELL #9-W-23  
14-20-603-5046  
NAVAJO TRIBAL  
SAN JUAN, UTAH

06-29-98 SET RIG ANCHORS, READY MIX CMT IN PLACE, MIRU NAVAJO WEST #15. CALL NAVAJO EPA @ 13:36 ON 06-26-98, TALKED TO CHARMAINE HESTEN, INFORMED OF INTENT TO DIG & LINE EARTH PIT. OK.

06-30-98 TEST TBG ANCHORS. OK, RD PROD. WH, NU BOPE. RU RIG FLOOR & TBG. TONG. CONT TO WORK TO FREE PKR.

07-01-98 SITP @ 7:30 WAS 0 PSI. COULD NOT FREE PKR. MITU WEATHERFORD FREE POINT & BACK-OFF UT. RIH W/FREE POINT TO 5378' PIPE FREE. RIH W/STRING SHOT TO 5387'. SHOT OFF TBG. SIFN.

07-02-98 SITP @ 7:30 WAS 0 PSI. RU TO PUMP CIRC. OFF TOP OF PKR. @ 5374'. SCREW INTO PKR. JAR ON PKR UNTIL FREE. POOH F/5374-4533'. SIFN.

07-03-98 SITP @ 7:30 WAS 0 PSI. FIN. OUT OF HOLE W/W 2 7/8" TBG & PROD. PKR. RIH W/GUIBERSON BRIDGE PLUT TO 5300'. RU & TEST CSG TO 1000 PSI. CSG. PRESSURE HOLDING. SIFN.

07-06-98 SIP 0# & TEST CSG TO 1000# 30 MIN OK RBP @ 5310. TEST TO 500 PSI. OK FIN POOH LD TBG RD FLOOR. SWI & SDFN.

07-07-98 SICP 0#. NIP DN POB. SPEARED CSG PULL SLIPS, OIL @ SURF. CIRC & WASH UNABLE TO CLEAN, NIP UP BOP RIH W/210' 1" PIPE CIRC W/F-WTR & SOAPY WTR CLEANED UP. SWI & SDFN.

07-08-98 SICP 0#, CIRC F/WTR & SOAPY WTR. POOH W/1" LD, NIP DN BOP, CUT OFF 8.625" CSG WELD STUB ON CSG WELL ON NEW WELLHEAD. TEST, NIP UP BOP. PU RIH LATCHED ON TO RBP, REL. POOH. LD TBG. SWI & SDFN.

07-09-98 CHANGED OUT TBG FLOATS. SET GUIBERSON G-6 PKR @ 5375'. TEST BACKSIDE TO 1000#, 30 MIN OK PUMP OUT PLUG SWI & SDFN.

07-10-98 SITP VAC SICP 0#. INSTALLED INJ. LINES & METER. RD NAVAJO WEST. DDPU CLEAN LOC. FINAL REPORT.

**ExxonMobil Production Company**

U.S. West

P.O. Box 4358

Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

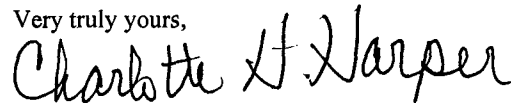
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 27 2001

DIVISION OF  
OIL, GAS AND MINING



IN REPLY REFER TO:

## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office  
NAVAJO REGIONP.O. Box 1060  
Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DBM</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MNT TEAM <i>2</i>	
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

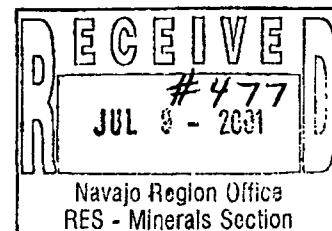
*pg 7/12/2001*  
*SH*  
*543*  
*File*

June 27, 2001

**ExxonMobil**  
Production

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

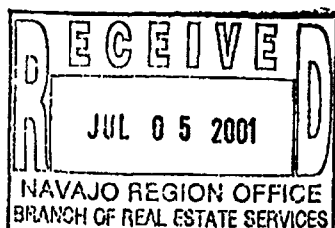
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Isasi*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

#### OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

#### DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

SAL

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

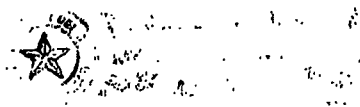
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Sullivan  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01



**CHUBB GROUP OF INSURANCE COMPANIES**

1000 West 19th Street, Suite 1400, Houston, Texas 77027-3301  
Tel: (713) 297-4600 • Fax: (713) 297-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

**in favor of United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

**in the amount of \$150,000.00**

**bond date: 11/01/65**

**IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001**  
**the name of the Principal is changed**

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

**All other terms and conditions of this Bond are unchanged.**

**Signed, sealed and dated this 12<sup>th</sup> of June, 2001.**

**ExxonMobil Oil Corporation**

By :



**FEDERAL INSURANCE COMPANY**

By:

*Mary Pierson*  
**Mary Pierson, Attorney-in-fact**

**Chubb  
Surety****POWER  
OF  
ATTORNEY****Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company****Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**,  
**Mary Pierson**, **Philana Berros**, and **Jody E. Specht** of **Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

  
 Kenneth C. Wendel, Assistant Secretary

  
 Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
 County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** in his presence.



Notary Public State of New Jersey  
 No. 2231647

Commission Expires Oct 28, 2004

  
 Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



  
 Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY  
 Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

**FIRST:** That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

**SECOND:** That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

**THIRD:** That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
\_\_\_\_\_  
F. A. Risch, President

STATE OF TEXAS       )  
COUNTY OF DALLAS   )

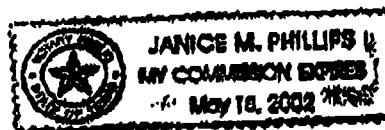
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



=&gt; CSC

TEL=5184334741

06/01'01 08:19

CSC  
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 133 04/04

F010601000187

CSC 45

## CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

100 cc  
STATE OF NEW YORK  
DEPARTMENT OF STATEFiled by: EXXONMOBIL CORPORATION  
(Name)

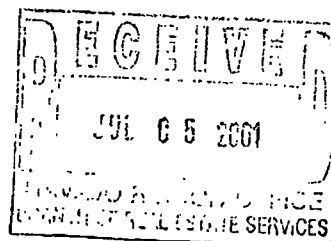
FILED JUN 01 2001

TAX \$

5959 Las Colinas Blvd.  
(Mailing address)BY: SACIrving, TX 75039-2298  
(City, State and Zip code)

ny Albany

Cust Ref # 165578 MPJ



010601000195

=&gt; CSC

TEL=5184334741

06/01'01 08:19

*State of New York    } ss:  
Department of State }*

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

*Witness my hand and seal of the Department of State on* **JUN 01 2001**



*Special Deputy Secretary of State*

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**NOTE: EPA ISSUES UIC PERMITS**

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 04/18/2002
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 04/18/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

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Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		<b>6/1/2006</b>
<b>FROM: (Old Operator):</b> N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936		
<b>TO: ( New Operator):</b> N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600		
<b>CA No.</b>	<b>Unit:</b>	<b>RATHERFORD (UIC)</b>

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT


Well Name and Number See attached list	API Number Attached
Location of Well Footage: See attached list County: San Juan QQ, Section, Township, Range: State: UTAH	Field or Unit Name Ratherford Unit Lease Designation and Number See attached list

EFFECTIVE DATE OF TRANSFER: 6/1/2006


CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation  
Address: PO Box 4358  
city Houston state TX zip 77210-4358  
Phone: (281) 654-1936  
Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_  
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company  
Address: 1675 Broadway, Suite 1950  
city Denver state CO zip 80202  
Phone: (303) 534-4600  
Name: Dwight E Mallory  
Signature:   
Title: Regulatory Coordinator  
Date: 4/20/2006  
Comments: A list of affected UIC wells is attached.  
New bond numbers for these wells are:  
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:   
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED  
APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: See attached list
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>                    </u>		9. API NUMBER: Attached
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/20/2006</u>

(This space for State use only)

APPROVED 6127106

Earlene Russell

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:  
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68931A</u>
PHONE NUMBER: <u>(281) 654-1936</u>		8. WELL NAME and NUMBER: <u>Ratherford</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE:  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: <u>attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <u>Laurie Kilbride</u>	DATE <u>4/19/2006</u>

(This space for State use only)

**APPROVED** 6/27/06  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
(See Instructions on Reverse Side)

**RECEIVED**  
**APR 21 2006**

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL	
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL	
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL	
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL	
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL	
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL	
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL	
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL	
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL	
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL	
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL	
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL	
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL	
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL	
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL	
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL	
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL	
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL	
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL	
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL	
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL	
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL	
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL	
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL	
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL	
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL	
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL	
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL	
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL	
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL	
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL	
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL	
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL	
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL	
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL	
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL	
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL	
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL	
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL	
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL	
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL	
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL	
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL	
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL	
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL	
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL	
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL	
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL	
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL	
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL	

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-5046
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		<b>8. WELL NAME and NUMBER:</b> NAVAJO 23-9 (RATHERFORD 9W23)
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FSL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 09 Township: 41.0S Range: 24.0E Meridian: S		<b>9. API NUMBER:</b> 43037163980000
<b>PHONE NUMBER:</b> 303 534-4600 Ext		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>COUNTY:</b> SAN JUAN		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>10/10/2014</b>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  
 Resolute Natural Resources respectfully submits this sundry as notice of acidizing on the above well. Attached are the procedures and schematic

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 October 15, 2014

<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/7/2014	



# **RATHERFORD UNIT #9W-23**

GREATER ANETH FIELD

1980' FSL & 1980' FWL

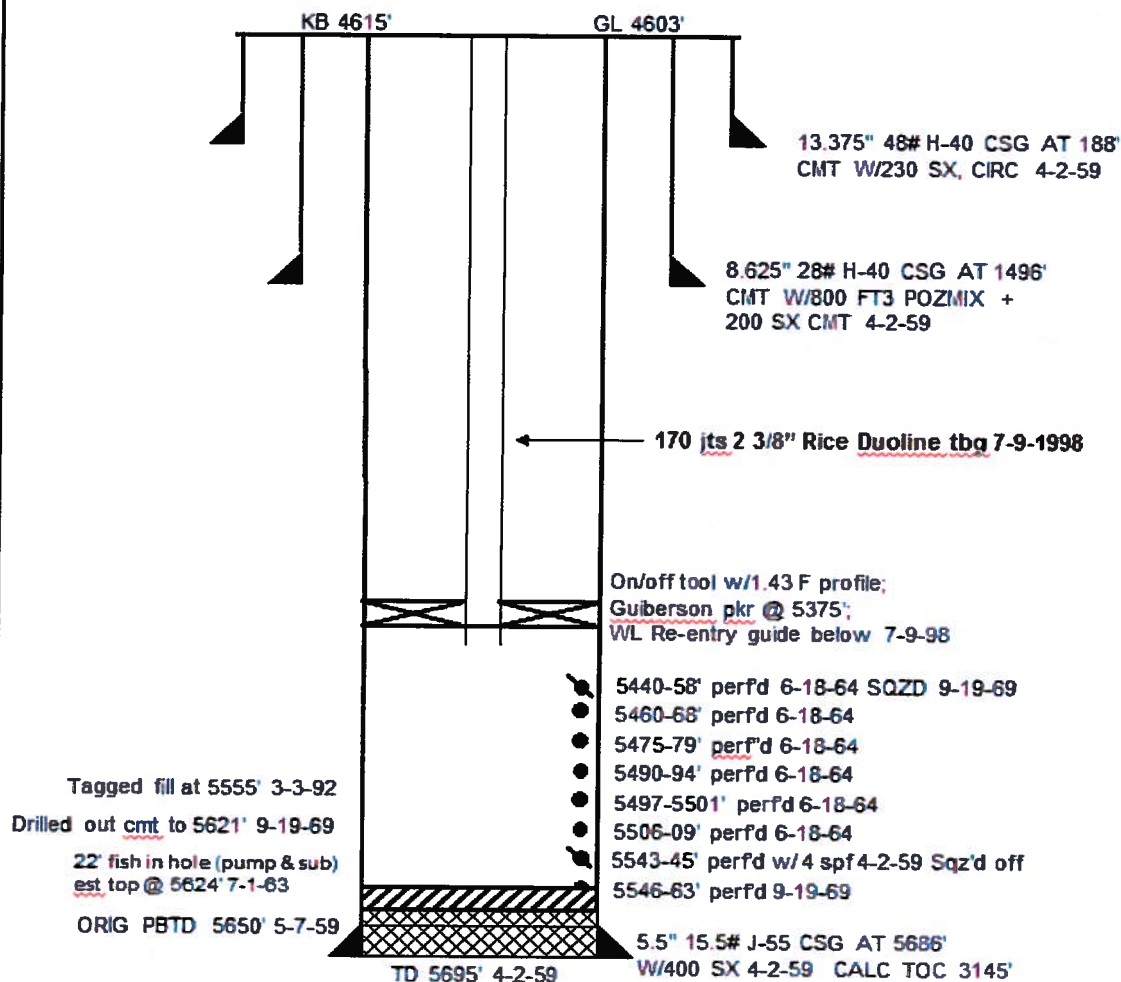
SEC 9-T41S-R24E

SAN JUAN COUNTY, UTAH

API #43-037-16398

PRISM ID 0042964

INJECTOR



K.B. Duhon 11-12-02 LAT 3-26-96



# RESOLUTE

## NATURAL RESOURCES

### RU Injection Wells Bullhead Acid Treatments

Well Summary Table									
RU Well No.	Well Type	Current BWIPD @ TP	Current Pattern BOPD	Tbg - Csg Sizes	Tubing Run Date	Last Acid	Bbls Wtr Displ After Acid	Comment	
1	12W-33	Vertical	909 @ 2910	160	2-3/8 - 4	Dec 2013	Nov 2013	30	
2	29W-32	Sgl Lateral	717 @ 3000	137	2-3/8 - 4	Jul 2013	Jun 2013	30	
3	12W-22	Tri Lateral	1045 @ 2950	129	2-3/8 - 5-1/2	Feb 1997	Feb 1997	40	
4	14W-42	Sgl Lateral	1598 @ 2950	123	2-3/8 - 4	Nov 2011	Mar 2013	30	
5	17W-14	Vertical	2402 @ 2710	104	2-7/8 - 5-1/2	Jun 2012	Oct 2006	45	
6	13W-11	Quad Lateral	892 @ 2850	101	2-7/8 - 7	Jun 2007	< 2000	45	
7	21W-14	Dual Lateral	1006 @ 2950	44	2-7/8 - 5-1/2	Jun 2003	Oct 2006	45	Tubing cmt'd in csg Jul 2003.
8	19W-12	Tri Lateral	2295 @ 2610	44	2-3/8 - 5-1/2	Sept 1997	Sept 1997	45	
9	9W-23	Vertical	1461 @ 2800	32	2-3/8 - 5-1/2	Jul 1998	Aug 2007	35	
10	16W-23	Dual Lateral	1003 @ 3000	61	2-7/8 - 5-1/2	Dec 2007	Oct 2006	45	

### Procedure

**Horsley Witten: Not Applicable**

1. Check crown valve & wing valve for integrity to ensure pump truck can rig up to well. (All wells checked by 10-2-14; New wing valves being installed at 12W-22, 14W-42 & 19W-12)
2. MIRU frac tank, manifold & hard line for flowback. RU ABC shower trailer.
3. Backflow the well for ~400 bbls or until significant gas appears, then shut in.
4. RU pumping equipment to wellhead & PT lines. Record TP, CP, Bradenhead P (BHP).
5. Pump 400 gal xylene, 2500 gal inhibited 15% HCl, produced water displacement (see table above). **Pump at maximum rate possible, staying under 3000 psi TP.** Monitor CP and BHP while pumping.
6. Rig down pumping equipment.
7. Notify Pierce Benally (435) 619-7227 that the well is ready to return to injection.
8. Open the well to injection; Record the initial injection rate and tubing pressure.